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RESEARCH, DEVELOPMENT, TEST AND EVALUATION PROGRAM (R-1), DEPARTMENT OF DEFENSE BUDGET FOR FISCAL YEAR 1986

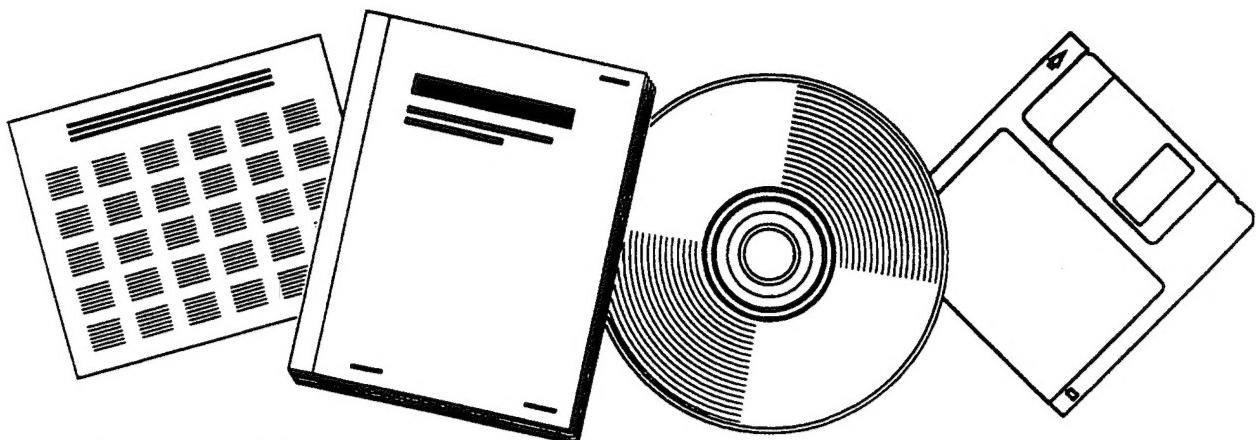
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Department of Defense	Development	R-1														
FY 1986	Test															
Budget	Evaluation															
Research	R,D,T&E Program															
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Preface

The R.D.T. & E. Programs (R-1) exhibit is derived from and consistent with the DoD Five Year Defense Program R.D.T. & E. Annex data base.

The R-1 is provided annually to the DoD oversight committees of the Congress coincident with the transmission by the President of the Budget of the United States Government. It is accompanied by an automated data base submission to the House Committee on Administration for input to the House Information System. An unclassified version is provided to OASD(PA) for use by non-DoD activities.

Office of the Assistant Secretary of Defense

Comptroller

I - a

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OMB	6
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OASA (IL&FM)	1
NAVY	2
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GAO	1
CBO	1
LIBRARY OF CONGRESS	1
CONGRESSIONAL COMMITTEES	1

TABLE OF CONTENTS

	<u>PAGE</u>
DoD Component Summary	II & III
Army	
Army Summary	A-1
Army R-1	A-1 through A-14
Navy	
Navy Summary	N-1
Navy R-1	N-1 through N-17
Air Force	
Air Force Summary	F-1
Air Force R-1	F-1 through F-14
Defense Agencies	
Defense Agency Summary	D-1
Defense Agency R-1	D-1 through D-4
Director, Test and Evaluation Summary	D-5
Director, Test and Evaluation R-1	D-6
Individual Defense Agency R-1	D-7 through D-19

J-CQ

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**DEPARTMENT OF DEFENSE
FY 1986 R D T & E PROGRAM**

SUMMARY

DATE: 04 FEB 1985

EXHIBIT R-1

THOUSANDS OF DOLLARS

SUMMARY BY APPROPRIATION

RESEARCH DEVELOPMENT TEST + EVAL, ARMY	4,215,375	4,376,115	5,279,800	5,726,067
RESEARCH DEVELOPMENT TEST + EVAL, NAVY	7,629,418	9,274,108	11,264,300	11,808,351
RESEARCH DEVELOPMENT TEST + EVAL, AF	12,275,206	13,506,247	15,573,500	16,573,094
RESEARCH DEVELOPMENT TEST + EVAL, DEF AGENCIES	2,769,420	4,236,327	7,053,900	8,390,100
DIRECTOR OF TEST + EVALUATION, DEFENSE	49,000	59,000	103,800	107,700
TOTAL RESEARCH, DEVELOPMENT, TEST & EVALUATION	26,936,419	31,451,795	39,280,100	42,807,312

SUMMARY RECAP OF RESEARCH CATEGORIES

RESEARCH	843,005	880,811	970,837	1,111,693
EXPLORATORY DEVELOPMENT	2,212,048	2,260,932	2,555,244	2,848,092
ADVANCED DEVELOPMENT	5,936,340	6,837,131	11,682,796	14,069,595
ENGINEERING DEVELOPMENT	9,165,090	10,916,757	10,747,398	10,730,113
MANAGEMENT AND SUPPORT	2,406,478	2,435,767	2,743,737	3,006,853
RESEARCH AND DEVELOPMENT (FYDP PROGRAM 6)	20,562,961	23,311,398	26,700,012	31,766,346
OPERATIONAL SYSTEMS DEVELOPMENT	6,375,458	8,140,397	10,580,088	10,840,968
TOTAL RESEARCH, DEVELOPMENT, TEST & EVALUATION	26,936,419	31,451,795	39,280,100	42,807,312

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DEPARTMENT OF DEFENSE
FY 1986 R D T & E PROGRAM

EXHIBIT R-1

DATE: 04 FEB 1985

SUMMARY

SUMMARY		THOUSANDS OF DOLLARS		
		FY 1984	FY 1985	FY 1986
SUMMARY RECAP OF BUDGET ACTIVITIES				FY 1987
TECHNOLOGY BASE	3,055,053	3,121,048	3,525,106	3,957,831
ADVANCED TECHNOLOGY DEVELOPMENT	1,352,245	2,765,808	5,461,303	6,988,532
STRATEGIC PROGRAMS	7,877,657	8,358,953	8,555,622	8,735,075
TACTICAL PROGRAMS	7,929,281	9,498,201	12,395,172	13,365,417
INTELLIGENCE AND COMMUNICATIONS	3,405,984	3,956,571	5,031,063	4,991,822
DEFENSEWIDE MISSION SUPPORT	3,318,198	3,751,214	4,311,834	4,568,635
TOTAL RESEARCH, DEVELOPMENT, TEST & EVALUATION	26,938,419	31,451,795	39,280,100	42,607,312
SUMMARY RECAP OF FYDP PROGRAMS				
STRATEGIC FORCES	725,813	803,791	1,205,231	1,221,916
GENERAL PURPOSE FORCES	1,473,369	2,052,570	2,631,094	2,645,541
INTELLIGENCE AND COMMUNICATIONS	4,082,921	5,021,964	6,345,303	6,576,798
AIRLIFT/SEALIFT	20,639	32,116	69,598	42,957
RESEARCH AND DEVELOPMENT (FYDP PROGRAM 6)	20,562,961	23,311,398	28,700,012	31,766,346
CENTRAL SUPPLY AND MAINTENANCE	63,858	215,787	317,849	340,521
TRAINING MEDICAL AND OTHER	2,846	5,208	5,300	6,895
ADMINISTRATION AND ASSOC ACTIVITIES		5,200	1,174	1,468
SUPPORT OF OTHER NATIONS	6,012	3,761	4,539	4,869
TOTAL RESEARCH, DEVELOPMENT, TEST & EVALUATION	26,938,419	31,451,795	39,280,100	42,607,312

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9

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DEPARTMENT OF THE ARMY
FY 1986 R D T & E PROGRAM
APPROPRIATION: 2040 A RESEARCH DEVELOPMENT TEST + EVAL. ARMY

EXHIBIT R-1

DATE: 04 FEB 1986

PROGRAM LINE ELEMENT NO NUMBER	ITEM NOMENCLATURE	THOUSANDS OF DOLLARS		
		ACT	FY 1984	FY 1985
237	65301A KWAJALEIN MISSILE RANGE	6	142,341	168,265
238	65502A SML BUSINESS INNOVATIVE RESEARCH	6	8,420	18,323
239	65702A SUPPORT OF DEVELOPMENT TESTING	6	46,989	45,333
240	65706A MATERIEL SYSTEMS ANALYSIS	6	14,756	15,360
241	65709A EXPLOITATION OF FOREIGN ITEMS	6	2,602	2,889
242	65712A SUPPORT OF OPERATIONAL TESTING	6	53,125	51,296
243	65716A THREAT SIMULATORS FOR TESTING	6		36,149
244	65801A PROGRAM-WIDE ACTIVITIES	6	68,895	69,935
245	65802A INTL COOPERATIVE RESEARCH AND DEV	6	851	791
246	65803A TECHNICAL INFO ACTIVITIES	6	5,288	5,557
247	65804A DARCOM MAJOR RANGE/TEST FACIL	6	300,779	323,257
248	65805A MUNITIONS-NATO STDZN DOD EFFEC SAFETY STDS	6	7,159	6,746
249	65806A DOD HIGH ENERGY LASER SYSTEMS TEST FAC	6	37,093	32,811
250	65808A MM AND T/MACI	6	73,683	
251	65872A PRODUCTIVITY INVESTMENTS	6	20,726	11,257
252	65898A MOT HQ (RESEARCH/DEVELOPMENT)	6	42,873	41,017
				11,852
				12,120 U

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PAGE A-13

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DEPARTMENT OF THE ARMY
FY 1986 R D T & E PROGRAM

APPROPRIATION: 2040 A RESEARCH DEVELOPMENT TEST + EVAL, ARMY

EXHIBIT R-1

DATE: 04 FEB 1985

PROGRAM LINE ELEMENT NO NUMBER	ITEM NOMENCLATURE	ACT	FY 1984	FY 1985	FY 1986	FY 1987	E
THOUSANDS OF DOLLARS							
219 33145A EUOD C3 SYSTEMS		4	2,811	7,503	1,961	1,419	U
	TACTICAL PROGRAMS		1,725,718	1,891,375	2,366,366	2,615,490	
220 63712A MAPPING AND GEODESY		5	739	2,937	4,205		U
221 64201A AIRCRAFT AVIONICS		5	3,194	2,094	2,238	5,080	U
222 64716A MAPPING AND GEODESY		5		3,864	3,430	3,241	U
223 64778A NAVSTAR GLOBAL POS SYS (USER EQ)		5	5,777	13,481	11,271	7,470	U
224 31307A FOREIGN SCIENCE AND TECHNOLOGY CENTER		5					
225 31327A TECH RECONNAISSANCE/SURVEILLANCE (TECRAS)		5					
226 31334A OTHER COMMAND GD1P ACTIVITIES		5					
227 31359A SPECIAL ARMY PROGRAMS		5					
228 33111A STRATEGIC ARMY COMMUNICATIONS (STARCOM)		5	903	1,042			U
229 33126A LONG-HAUL COMMUNICATIONS (DCS)		5	11,369	8,720	4,312	3,917	U
230 33142A SATCOM GROUND ENVIRONMENT		5	45,665	15,992	26,755	26,809	U
231 33401A COMMUNICATIONS SECURITY		5	11,939	11,398			
	INTELLIGENCE AND COMMUNICATIONS		85,054	65,521	68,491	62,062	
232 63315A TARGET MISSILES		6		981	6,051	15,767	U
233 63738A NONSYSTEMS TRAINING DEVICES (NSTD) DEV		6	1,501	4,441	5,863	8,324	U
234 64715A NGN-SYSTEM TNG DEVICES ENGR		6	16,103	32,372	43,636	55,772	U
235 64726A METEOROLOGICAL EQUIPMENT SYSTEMS		6	5,099	9,572	6,447	3,305	U
236 65201A AVIATION ENGINEERING FLIGHT ACTIVITY		6	6,524	7,587	11,720	12,690	U

PAGE A-12

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DEPARTMENT OF THE ARMY
FY 1986 RDT & E PROGRAM

APPROPRIATION: 2040 A RESEARCH DEVELOPMENT TEST + EVAL, ARMY

EXHIBIT R-1

DATE: 04 FEB 1985

PROGRAM LINE ELEMENT NO NUMBER	ITEM NOMENCLATURE	ACT	FY 1984	FY 1985	FY 1986	FY 1987	E
THOUSANDS OF DOLLARS							
203	64770A JOINT SURVEILLANCE/TARGET ATTACK RADAR SYSTEM	4	67,750	60,000	43,818	29,194	U
204	64779A JT INTEROP OF TAC CMD & CNT SYS (JINTACCS)	4	22,956	43,818	8,381	8,877	U
205	65710A JT CB CONTACT POINT TEST AND ASSESSMENT	4	1,764	2,346	2,402	2,496	U
206	23724A HV ANTI-TANK ASSAULT WPN SYS (TOW)	4	4,788	9,874	11,836	8,807	U
207	23726A ADV FIELD ARTILLERY TACTICAL DATA SYSTEM	4	25,117	32,942	35,574	46,212	U
208	23727A MED ANTI-TANK ASSAULT WPN (H)	4		2,000	3,842		U
209	23730A CHAPARRAL	4	20,231	17,547	17,666		U
210	23731A SAM HAWK/HAWK IMP PROG	4	32,645	18,785	5,212	9,623	U
211	23735A COMBAT VEHICLE IMPROVEMENT PROGRAM	4	81,521	115,159	72,743	21,176	U
212	23739A AN/TSQ-73 MODIFICATIONS	4			4,635		U
213	23740A MANEUVER CONTROL SYSTEM (MCS)	4	12,373	21,869	8,836	8,861	U
214	23741A PROD IMPR VULCAN AIR DEF SYS	4	3,459				U
215	23743A 155MM SELF-PROPELLED HOWITZER IMPROVEMENTS	4	27,744	27,712	26,105	66,876	U
216	23744A AIRCRAFT MODIFICATIONS	4	16,434	3,600			U
217	23745A EQUIPMENT UPGRADE	4		10,524	30,805	26,775	U
218	28010A JOINT TACTICAL COMMG PROGRAM (TRI-TAC)	4	70,735	44,442	30,560	10,690	U

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PAGE A-11

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DEPARTMENT OF THE ARMY
FY 1986 RDT&E PROGRAM

APPROPRIATION: 2040 A RESEARCH DEVELOPMENT TEST + EVAL, ARMY

EXHIBIT R-1

DATE: 04 FEB 1985

PROGRAM LINE ELEMENT NO	ITEM NOMENCLATURE	ACT FY 1984	FY 1985	THOUSANDS OF DOLLARS	E FY 1986	S FY 1987 C
182	64711A AIRCRAFT SURVIVABILITY EQUIPMENT	4	17,774	4,572	24,777	17,578 U
183	64712A ARMY CMD AND CONTROL SYSTEM (ACCS) SYS ENGR	4	10,632	10,558	9,896	8,247 U
184	64713A COMBAT FEEDING, CLOTHING AND EQUIPMENT	4	3,167	2,976	6,461	6,077 U
185	64714A TACTICAL ELECTRIC POWER SOURCES	4	5,717	10,874	10,122	14,989 U
186	64717A GENERAL COMBAT SUPPORT	4	10,500	17,960	14,822	15,442 U
187	64718A PHYSICAL SECURITY	4	8,683	7,592	6,496	7,450 U
188	64722A EDUCATION AND TRAINING	4	6,000	7,703	6,611	6,575 U
189	64723A SPECIAL PURPOSE DETECTORS	4		3,315	3,256	1,512 U
190	64724A CMC BIG DETECTION WARNING & TRG MATERIAL	4	876	11,273	23,081	30,374 U
191	64725A CHEM BIG PROTECTIVE MATERIEL	4	22,792	24,316	15,585	16,937 U
192	64727A COMMAND AND CONTROL	4	19,030	14,713	5,799	576 U
193	64730A REMOTELY PILOTED VEHICLES	4	126,153	95,671	30,014	16,435 U
194	64740A TACTICAL SURVEILLANCE SYSTEM	4	11,240	16,494		
195	64741A DIVISION AIR DEFENSE COMMAND AND CONTROL	4	34,148	50,356	33,040	57,823 U
196	64746A AUTOMATIC TEST EQUIPMENT DEVELOPMENT	4		10,807	21,310	24,051 U
197	64750A TACTICAL ELECTRONIC COUNTERMEASURES SYSTEMS	4	8,686	40,831		
198	64751A SINGLE CHANNEL GRD/ABN RADIO SUB ENG	4	7,397	8,681	12,874	8,454 U
199	64754A CLASSIFIED PROGRAM (ENG)	4				
200	64757A MEDICAL CHEMICAL DEFENSE LIFE SPT MAT	4	4,669	12,684	7,680	26,104 U
201	64758A DRUG AND VACCINE DEVELOPMENT	4	4,669	9,769	10,497	10,391 U
202	64766A TACTICAL ELECTRONIC SURVEILLANCE SYS	4	13,174		18,121	

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PAGE A-10

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 APPROPRIATION: 2040 A RESEARCH DEVELOPMENT TEST + EVAL, ARMY
 FY 1986 RDT & E PROGRAM
 DEPARTMENT OF THE ARMY

EXHIBIT R-1

DATE: 04 FEB 1985

PROGRAM	LINE ELEMENT NO	ITEM NOMENCLATURE	ACT	FY 1984	FY 1985	FY 1986	FY 1987	\$ THOUSANDS OF DOLLARS
161	64321A	JOINT TACTICAL FUSION PROGRAM	4	54,549	72,980			U
162	64323A	HIGH TECHNOLOGY MOTORIZED DIVISION	4	13,120				206,960 U
163	64324A	JOINT TACTICAL MISSILE SYSTEM-ARMY (JTACMS-A)	4	50,160	76,378	154,805		16,464 U
164	64601A	INFANTRY SUPPORT WEAPONS	4	6,788	31,835	24,003		30,653 U
165	64603A	NUCLEAR MUNITIONS	4	10,296	14,943			8,195 U
166	64604A	MOBILITY	4			15,486		13,324 U
167	64609A	SMOKE MUNITIONS & MATERIEL	4	2,465	8,124	6,024		12,752 U
168	64612A	COUNTERMINES AND BARRIERS	4	3,719	4,714	10,417		5,917 U
169	64616A	FIGHTING VEHICLE SYS	4	26,526	14,268	2,228		6,399 U
170	64619A	LANDMINE WARFARE	4	9,444	11,985	7,954		5,007 U
171	64630A	M1 E1 DEVELOPMENT PROGRAM	4	58,883	52,823	3,898		4,924 U
172	64631A	FIELD ARTILLERY AMMUNITION	4	6,399	5,578	62,590		1,543 U
173	64632A	105MM TANK AMMUNITION	4	142	10,004			11,037 U
174	64633A	CACTUS PLANT	4					12,594 U
175	64701A	COMM ENGINEERING DEV	4	12,594	9,772	10,716		21,131 U
176	64702A	JT TAC INFO DIST SYS (JTIDS)	4	21,603	21,131	12,243		5,000 U
177	64704A	UNATTENDED GROUND SENSORS	4			2,940		4,496 U
178	64705A	MODULAR INTEGRATED COMM AND NAVIGATION SYS	4	13,038	5,911	5,007		4,496 U
179	64706A	RADIOLOGICAL DEFENSE EQUIPMENT	4	927	288	884		3,121 U
180	64709A	IDENTIFICATION FRIEND OR FOE EQUIPMENT DEV	4	4,496	5,038			10,800 U
181	64710A	NIGHT VISION DEVICES	4	6,424	14,567			11,037 U

PAGE A-9

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**DEPARTMENT OF THE ARMY
FY 1986 R D T & E PROGRAM**

APPROPRIATION: 2040 A RESEARCH DEVELOPMENT TEST + EVAL, ARMY

EXHIBIT R-1

DATE: 04 FEB 1985

PROGRAM LINE ELEMENT NO	ITEM NOMENCLATURE	ACT	THOUSANDS OF DOLLARS		
			FY 1984	FY 1985	FY 1986
140 6375A	TACTICAL ELECTRONIC COUNTERMEASURES SYSTEMS	4	53,413	74,505	
141 6376A	MEDICAL CHEM DEFENSE LIFE SUPPORT MAT	4	23,820		U
142 6376A	TACTICAL ELECTRONIC SURVEILLANCE SYS	4	5,100	8,339	
143 6376A	COMBAT SERVICE SUPPORT CONTROL SYS	4		190	980
144 64202A	AIRCRAFT WEAPONS	4	549	4,979	12,872
145 64204A	AIR MOBILITY SUPPORT EQUIPMENT	4	3,733	4,001	2,600
146 64206A	UH-60 BLACKHAWK	4	15,000		U
147 64207A	ADVANCED ATTACK HELICOPTER (AH-64)	4	21,362	27,688	17,506
148 64216A	AIRCRAFT PROPULSION SYSTEMS	4		24,376	70,791
149 64217A	SYNTHETIC FLIGHT TRAINING SYSTEMS	4	16,687	13,243	7,863
150 64218A	AIRDROP EQUIP DEVELOPMENT	4	3,306	4,168	3,141
151 64220A	ARMY HELICOPTER IMPROVEMENT PROG	4	54,120	30,890	6,802
152 64223A	ADVANCED TECHNOLOGY LT HELICOPTER SERIES	4			283,702
153 64268A	AIRCRAFT COMPONENT IMPROVEMENT PROGRAM	4	11,899	13,560	16,158
154 64306A	STINGER	4		5,000	18,583
155 64307A	PATRIOT (SAM-D)	4	78,342	61,078	53,070
156 64310A	HELBORNE MISSILE-HELLFIRE	4	1,615	454	6,213
157 64311A	PERSHING II	4	21,683		U
158 64313A	GRASS BLADE	4	15,904	20,626	10,878
159 64314A	MULTIPLE LAUNCH ROCKET SYSTEM (MLRS)	4	3,481	1,851	636 U
160 64318A	DIVISION AIR DEFENSE GUN	4		600	43,176
					20,588 U

PAGE A-8

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DEPARTMENT OF THE ARMY
FY 1986 RDT&E PROGRAM

APPROPRIATION: 2040 A RESEARCH DEVELOPMENT TEST + EVAL, ARMY

EXHIBIT R-1

DATE: 04 FEB 1985

PROGRAM LINE ELEMENT NO	ITEM NOMENCLATURE	ACT	FY 1985			FY 1986	FY 1987
			FY 1984	THOUSANDS OF DOLLARS	\$		
119	63705A PHYSICAL SECURITY	4	1,867	3,170	4,416	3,803	U
120	63706A IDENTIFICATION FRIEND OR FOE EQUIP DEVEL	4	8,611	9,671	20,693	15,626	U
121	63707A COMMUNICATIONS DEVELOPMENT	4	1,433	4,215			
122	63709A TACTICAL IMBEDDED COMPUTER PROGRAM	4	20,500				U
123	63711A AIRCRAFT SURVIVABILITY EQUIPMENT	4	3,383	6,767	8,611	9,636	U
124	63713A ARMY DATA DISTRIBUTION SYSTEM (ADDS)	4	22,915	23,011	38,016	15,716	U
125	63718A ELECT WRFR VULNERABILITY/SUSCEPTIBILITY	4	19,057	22,474	23,791	30,056	U
126	63720A CHEMICAL/BIO DETECTION WARM/SAMP MAT CONCEPTS	4	25,301	31,686	15,192	21,057	U
127	63721A CML BIO PROTECTIVE MATERIEL CONCEPTS	4	3,163	11,119	9,341	15,752	U
128	63723A COMMAND AND CONTROL	4	23,475	9,901			
129	63725A REMOTELY PILOTED VEHICLES/DRONES	4			20,977	13,023	U
130	63726A COMBAT SUPPORT EQUIPMENT	4	6,616	15,617	28,363	28,196	U
131	63730A TACTICAL SURVEILLANCE SYSTEM	4	24,226				
132	63732A COMBAT MEDICAL MATERIAL	4	4,913	8,273	9,379	12,435	U
133	63740A SHORT RANGE AIR DEFENSE COMMAND AND CONTROL	4	2,645				
134	63745A TAC ELECTRONIC SPT MEASURE SYS	4	3,460	4,083			
135	63746A SINGLE CHANNEL GRD/ABN RADIO SUB-SYS	4	3,124	2,151	2,266		U
136	63747A SOLDIER SUPPORT/SURVIVABILITY	4	3,168	4,479	6,857	6,256	U
137	63750A DRUG AND VACCINE DEVELOPMENT	4	12,373	14,407	16,932	17,257	U
138	63751A MEDICAL DEFENSE AGAINST CHEM WARFARE	4	36,960	36,486	31,019	44,406	U
139	63754A CLASSIFIED PROGRAM (ADV)	4					

PAGE A-7

UNCLASSIFIED

UNCLASSIFIED

**DEPARTMENT OF THE ARMY
FY 1986 RDT & E PROGRAM**

APPROPRIATION: 2040 A RESEARCH DEVELOPMENT TEST + EVAL, ARMY

EXHIBIT R-1

DATE: 04 FEB 1985

PROGRAM LINE ELEMENT NO	ITEM NOMENCLATURE	ACT	THOUSANDS OF DOLLARS		
			FY 1984	FY 1985	FY 1986
99	33152A WORLDWIDE MILITARY CMD&CNT SYS INF SYS STRATEGIC PROGRAMS	3	13,188	27,074	30,914
			523,195	224,501	235,657
					246,183
100	63209A AIR MOBILITY SUPPORT	4			15,472
101	63215A JOINT SURVIVABILITY INVESTIGATIONS	4	1,056	986	900
102	63217A GREATER SLOPE	4	36,955	33,996	U
103	63220A ADVANCED ROTORCRAFT TECH INTEGRATION/LHX	4			75,528
104	63225A AIRDROP EQUIPMENT SYSTEMS	4			1,877
105	63302A ANTI-TACTICAL MISSILE (ATM)	4	17,193	29,275	62,760
106	63303A SURF-TO-SURF MSL ROCKET SYS	4	11,534	35,215	30,622
107	63604A NUCLEAR MUNITIONS AND RADIACS	4	1,998	5,831	U
108	63608A WEAPONS AND AMMUNITION	4			798
109	63612A ADVANCED ANTI TANK WEAPON	4			3,614
110	63615A LETHAL CHEMICAL MUNITIONS CONCEPTS	4	12,389	8,957	81,077
111	63619A LANDMINE/BARRIER SYS	4	12,212	13,215	28,424
112	63627A SMOKE MUNITIONS AND MATERIEL CONCEPTS	4	2,342	2,381	12,672
113	63628A ARTILLERY/MORTAR AMMO DEVELOPMENT	4	32,479	9,416	10,157
114	63633A TANK/FIGHTING VEHICLE AMMO DEVELOPMENT	4	9,721	11,315	5,734
115	63635A MOBILE PROTECTED GUN PROGRAM	4	12,479		9,802
116	63639A ARMAMENT ENHANCEMENT INITIATIVE (AEI)	4			U
117	63641A PROGRAM 292	4			PAGE A-6
118	63702A ELECTRIC POWER SOURCES	4	5,955	7,936	11,258
					7,674 U

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DEPARTMENT OF THE ARMY
FY 1986 R D T & E PROGRAM
APPROPRIATION: 2040 A RESEARCH DEVELOPMENT TEST + EVAL, ARMY

EXHIBIT R-1

DATE: 04 FEB 1985

PROGRAM LINE ELEMENT NO	ITEM NUMBER	ITEM NOMENCLATURE	THOUSANDS OF DOLLARS			
			ACT	FY 1984	FY 1985	FY 1986
84	63748A	TEST MEASUREMENT & DIAGNOSTIC EQUIPMENT DEVEL	2	2, 961	4, 737	7, 235
85	63749A	TECHNICAL VULNERABILITY REDUCTION	2	5, 641	5, 979	4, 305
86	63752A	DEMILITARIZATION CONCEPTS	2	11, 052	8, 315	9, 575
87	63756A	DOD SOFTWARE INITIATIVES (STARS)	2	4, 675	14, 931	52, 000
88	63758A	TACTICAL ROBOTIC SYSTEMS	2			26, 496
89	63759A	CB DEF/SMK ADV TECHNOLOGY DEMONSTRATIONS	2	400	1, 179	3, 045
90	63761A	ELEC WRFR VULN/SUSCEP TECH SUPPORT	2	10, 568	12, 668	1, 783
91	63762A	ELECTRONIC WARFARE FEASIBILITY DEVELOPMENT	2	12, 042	6, 652	9, 662
92	63763A	NONSYSTEMS MEDICAL MATERIAL DEVELOPMENT	2	4, 517	13, 175	16, 221
93	63764A	MEDICAL CHEM DEFENSE LIFE SUPPORT MAT	2		32, 297	22, 612
94	63765A	NONTACTICAL ADP TECHNOLOGY	2			216
		ADVANCED TECHNOLOGY DEVELOPMENT	342, 144	476, 981	593, 348	87
95	63304A	BMD ADVANCED TECHNOLOGY	3	153, 372	671, 811	U
96	63308A	BALLISTIC MSL DEF SYS TECH	3	320, 146		U
97	12814A	SPECIAL PROGRAM	3			
98	12821A	CLASSIFIED PROGRAM	3			

PAGE A-5

UNCLASSIFIED

UNCLASSIFIED

DEPARTMENT OF THE ARMY
FY 1986 R D T & E PROGRAM
APPROPRIATION: 2040 A RESEARCH DEVELOPMENT TEST + EVAL, ARMY

EXHIBIT R-1

DATE: 04 FEB 1985

PROGRAM LINE ELEMENT NO NUMBER	ITEM NOMENCLATURE	ACT	THOUSANDS OF DOLLARS			
			FY 1984	FY 1985	FY 1986	FY 1987 C E S
63 63324A	ARMY DEVEL & EMPLOYMENT ACTIVITY-ADEA	2	36,032	37,517	9,705	15,451 U
64 63602A	ADVANCED LAND MOB SYSTEMS CONCEPTS	2	11,450	18,904	16,474	35,200 U
65 63606A	LANDMINE WARFARE/BARRIER DEV	2	10,403	12,415	11,267	10,165 U
66 63607A	JOINT SERVICE SMALL ARMS PROGRAM (JSSAP)	2	2,986	4,272	3,463	6,297 U
67 63621A	COMBAT VEHICLE PROPULSION SYS	2	12,947	13,254	14,967	15,733 U
68 63631A	CMBT VEH TURRET AND CHASSIS SUBSYS	2	8,963	14,930	17,036	28,468 U
69 63636A	COMBAT VEHICLE ARMOR/ANTI-ARMOR	2	11,944	52,137	11,363	12,448 U
70 63637A	ADV PROPULSION/LAUNCH SYS FOR MUN	2	4,547	7,904	8,233	8,569 U
71 63638A	NUCLEAR HARDDENING ADVANCED TECHNOLOGY	2	500			U
72 63640A	AMMUNITION LOGISTICS	2			2,036	2,256 U
73 63710A	NIGHT VISION ADVANCED DEVELOPMENT	2	27,916	26,394	33,622	33,972 U
74 63723A	TAC CMD COMM & COMPUTER (C4) INTEGRATN	2			31,774	23,977 U
75 63725A	REMOTELY PILOTED VEHICLES/DRONES	2	9,696	8,208		U
76 63731A	MANPOWER AND PERSONNEL	2	10,080	11,952	16,938	21,065 U
77 63734A	ENGINEERING SYSTEMS	2	2,015	1,271	3,450	6,229 U
78 63736A	HUMAN FACTORS ENGINEERING APPLICATIONS	2			1,961	2,490 U
79 63737A	ANTI-RADIATION MSL COUNTER MEASURES	2	3,654	5,391		
80 63739A	HUMAN FACTORS IN TNG/OPR EFFECT	2	4,752	7,837	11,511	12,278 U
81 63742A	ADV ELECTRONIC DEVICES DEV	2	2,761	5,748	9,730	8,178 U
82 63743A	EDUCATION AND TRAINING	2	7,304	10,126	11,846	12,302 U
83 63744A	TRAINING SIMULATION	2	2,432	4,735	5,494	7,602 U

PAGE A-4

UNCLASSIFIED

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DEPARTMENT OF THE ARMY
FY 1986 R D T & E PROGRAM

APPROPRIATION: 2040 A RESEARCH DEVELOPMENT TEST + EVAL, ARMY

EXHIBIT R-1
DATE: 04 FEB 1985

PROGRAM LINE ELEMENT NO	ITEM NOMENCLATURE	ACT ---	THOUSANDS OF DOLLARS		
			FY 1984	FY 1985	FY 1986
43	62772A COMBAT CASUALTY CARE TECH	1	7,011	8,491	8,892
44	62775A COMBAT MAXILL/FACIAL INJURY	1	2,446	2,242	2,167
45	62777A SYSTEMS HEALTH HAZARD PREVENT TECH	1	17,505	18,433	19,461
46	62781A ENERGY TECH APPL FOR MILITARY FACIL	1	1,764	2,128	2,230
	TECHNOLOGY BASE		684,455	761,447	876,432
					917,910
47	63102A MATERIALS AND STRUCTURES ADVANCED DEVELOPMENT	2	5,678	8,593	14,437
48	63104A FUELS AND LUBRICANTS ADVANCED DEVELOPMENT	2	2,012	3,479	3,384
49	63201A AIRCRAFT POWER PLANTS AND PROPULSION	2	16,406	22,622	21,833
50	63206A AIRCRAFT WEAPONS	2	8,279	7,889	6,946
51	63207A AIRCRAFT AVIONICS EQUIPMENT	2	2,935	22,144	10,970
52	63209A AIR MOBILITY SUPPORT	2	5,003	2,184	
53	63211A ROTARY WING CONTROLS/ROTOR/STRUCTURES	2	33,031	30,163	31,104
54	63216A SYNTHETIC FLIGHT SIMULATORS DEVELOPMENT	2	9,714	9,052	12,613
55	63218A AIRDROP ADVANCEMENT	2	1,996	3,950	3,654
56	63220A ADVANCED ROTORCRAFT TECH INTEGRATION (ARTI)	2	1,009		
57	63221A NOE AVIATION AND NAVIGATION EQUIPMENT	2	853	368	3,089
58	63226A CLASSIFIED PROJECTS	2			3,917
59	63306A TERMINALLY GUIDED PROJECTILES	2	2,946	4,922	17,409
60	63313A MSL/ROCKET COMPONENTS	2	16,086	19,689	42,836
61	63314A HI-ENERGY LASER COMPONENTS	2	13,756		
62	63322A BATTLEFIELD ENVIRONMENT SIMULATION	2			2,670
					7,357

PAGE A-3

UNCLASSIFIED

UNCLASSIFIED

DEPARTMENT OF THE ARMY
FY 1986 R D T & E PROGRAM

EXHIBIT R-1

APPROPRIATION: 2040 A RESEARCH DEVELOPMENT TEST + EVAL, ARMY

DATE: 04 FEB 1985

PROGRAM LINE ELEMENT NO NUMBER	ITEM NOMENCLATURE	ACT	THOUSANDS OF DOLLARS		
			FY 1984	FY 1985	FY 1986
22 62704A	MIL ENVIRONMENTAL CRITERIA DEV	1	2,345	2,902	3,096
23 62705A	ELECTRICAL AND ELECTRONIC DEVICES	1	17,953	20,056	22,871
24 62706A	CHEM BIOLOGICAL DEF / GEN INVEST	1	36,426	32,895	41,724
25 62707A	MAPPING - GEODESY	1	7,369	7,994	10,364
26 62709A	NIGHT VISION INVESTIGATIONS	1	16,164	19,642	22,077
27 62715A	TACTICAL ELECTRONIC WARFARE TECHNOLOGY	1	9,159	9,366	16,236
28 62716A	HUMAN FACTORS ENG SYS DEV	1	11,424	10,437	15,269
29 62717A	HUMAN PERFORMANCE EFFECT/SIMULATION	1	4,980	4,754	6,766
30 62719A	MOBILITY AND WEAPONS EFFECTS TECH	1	8,241	9,217	13,363
31- 62720A	ENVIRONMENTAL QUALITY TECH	1	7,539	11,147	8,912
32 62722A	MANPOWER/PERSONNEL/TRAINING	1	5,433	7,191	8,016
33 62723A	CLOTHING EQUIP AND SHELTER TECH	1	6,952	8,577	10,537
34 62724A	JT SVC FOOD SYS TECH	1	5,382	5,999	6,432
35 62725A	COMPUTER AND INFORMATION SCIENCE	1	1,944	2,207	2,216
36 62727A	NONSYSTEMS TRAINING DEVICES TECH (NSTD)	1	3,778	4,507	5,103
37 62730A	COLD REGIONS ENGINEERING TECHNOLOGY	1	6,437	7,423	6,819
38 62731A	MILITARY FACILITIES ENGINEERING TECHNOLOGY	1	6,227	4,597	5,253
39 62733A	MOBILITY EQUIPMENT TECHNOLOGY	1	9,534	11,750	13,627
40 62734A	MED DEFENSE AGAINST CHEM AGENTS	1	29,509	29,266	32,309
41 62746A	TACTICAL ADP TECH	1	5,888	0	9,066
42 62770A	MILITARY DISEASE HAZARDS TECH	1	25,281	22,046	26,990

PAGE A-2

UNCLASSIFIED

UNCLASSIFIED
DEPARTMENT OF THE ARMY
FY 1986 R D T & E PROGRAM

APPROPRIATION: 2040 A RESEARCH DEVELOPMENT TEST + EVAL, ARMY

EXHIBIT R-1

DATE: 04 FEB 1985

PROGRAM	LINE ELEMENT NO	ITEM NUMBER	ITEM NOMENCLATURE	ACT	FY 1984	FY 1985	FY 1986	FY 1987	E	THOUSANDS OF DOLLARS
1	61101A		IN-HOUSE LAB INDEPENDENT RESEARCH	1	21, 862	24, 396	25, 280	26, 023	U	
2	61102A		DEFENSE RESEARCH SCIENCES	1	196, 139	209, 132	236, 869	254, 558	U	
3	61103A		UNIVERSITY RESEARCH INITIATIVES	1			6, 126	12, 242	U	
4	62105A		MATERIALS	1	11, 356	11, 870	12, 380	14, 005	U	
5	62111A		ATMOSPHERIC INVESTIGATIONS	1	4, 479	4, 686	6, 896	7, 783	U	
6	62120A		NUCLEAR WEAPONS EFFECTS/FLUIDICS	1	10, 184	8, 477	8, 461	11, 973	U	
7	62122A		SURVIVABILITY ENHANCEMENT	1						
8	62201A		AIRCRAFT WEAPONS TECHNOLOGY	1	2, 784	3, 132	3, 321	3, 414	U	
9	62202A		AIRCRAFT AVIONICS TECHNOLOGY	1	7, 479	8, 013	9, 766	9, 707	U	
10	62209A		AERONAUTICAL TECHNOLOGY	1	20, 289	25, 498	31, 171	33, 879	U	
11	62210A		AIRDROP TECHNOLOGY	1	1, 399	1, 791	2, 061	2, 386	U	
12	62303A		MISSILE TECHNOLOGY	1	34, 626	31, 028	31, 604	34, 278	U	
13	62307A		LASER WEAPON TECHNOLOGY	1	20, 047	21, 087	21, 392	25, 515	U	
14	62601A		TANK AND AUTOMOTIVE TECHNOLOGY	1	21, 987	21, 772	22, 226	24, 995	U	
15	62603A		LARGE CAL AND NUCLEAR TECHNOLOGY	1	15, 550	34, 556				
16	62617A		SMALL CAL AND FIRE CNTRL TECHNOLOGY	1	8, 836	9, 116	12, 794	9, 080	U	
17	62618A		BALLISTICS TECHNOLOGY	1	18, 014	46, 683	48, 424	37, 857	U	
18	62622A		CHEMICAL AND SMOKE MUNITIONS	1	12, 893	12, 522	14, 062	15, 953	U	
19	62623A		JOINT SERVICE SMALL ARMS PROGRAM (JSSAP)	1	3, 530	4, 502	6, 542	6, 085	U	
20	62701A		COMMUNICATIONS TECH	1	12, 201	15, 151	21, 403	19, 460	U	
21	62703A		COMBAT SURVEILL TARGET ACQUIS & IDENT	1	4, 218	4, 768	4, 407	3, 323	U	

UNCLASSIFIED

PAGE A-1,2

UNCLASSIFIED

DEPARTMENT OF THE ARMY
FY 1986 R D T & E PROGRAM

SUMMARY

DATE: 04 FEB 1985

EXHIBIT R-1

SUMMARY RECAP OF RESEARCH CATEGORIES

	FY 1984	FY 1985	FY 1986	FY 1987
RESEARCH	218,001	233,528	268,275	294,823
EXPLORATORY DEVELOPMENT	466,454	527,919	608,157	623,087
ADVANCED DEVELOPMENT	1,283,730	1,022,242	1,496,696	1,503,123
ENGINEERING DEVELOPMENT	990,440	1,101,553	1,298,817	1,672,947
MANAGEMENT AND SUPPORT	833,870	818,770	978,949	1,049,526
RESEARCH AND DEVELOPMENT (FYDP PROGRAM 6)				
OPERATIONAL SYSTEMS DEVELOPMENT	3,792,495	3,704,012	4,647,894	5,143,506
TOTAL RESEARCH DEVELOPMENT TEST + EVAL, ARMY	4,215,375	4,376,115	5,279,900	5,728,067

SUMMARY RECAP OF BUDGET ACTIVITIES

TECHNOLOGY BASE	684,465	761,447	876,432	917,910
ADVANCED TECHNOLOGY DEVELOPMENT	342,144	476,981	593,348	671,811
STRATEGIC PROGRAMS	523,195	224,501	235,657	246,183
TACTICAL PROGRAMS	1,725,718	1,891,375	2,366,366	2,615,490
INTELLIGENCE AND COMMUNICATIONS	85,054	65,521	68,491	62,062
DEFENSEWIDE MISSION SUPPORT	854,809	956,290	1,139,606	1,214,611
TOTAL RESEARCH DEVELOPMENT TEST + EVAL, ARMY	4,215,375	4,376,115	5,279,900	5,728,067

SUMMARY RECAP OF FYDP PROGRAMS

STRATEGIC FORCES	36,489	197,427	204,743	209,806
GENERAL PURPOSE FORCES	295,046	304,454	242,979	206,275
INTELLIGENCE AND COMMUNICATIONS	91,343	77,722	80,222	84,067
RESEARCH AND DEVELOPMENT (FYDP PROGRAM 6)	3,792,495	3,704,012	4,647,894	5,143,506
CENTRAL SUPPLY AND MAINTENANCE		92,500	104,062	84,413
TOTAL RESEARCH DEVELOPMENT TEST + EVAL, ARMY	4,215,375	4,376,115	5,279,900	5,728,067

PAGE A-1

UNCLASSIFIED

UNCLASSIFIED

DEPARTMENT OF THE ARMY
FY 1986 RDT & E PROGRAM

APPROPRIATION: 2040 A RESEARCH DEVELOPMENT TEST + EVAL, ARMY

EXHIBIT R-1

DATE: 04 FEB 1985

PROGRAM LINE ELEMENT NO NUMBER	ITEM NOMENCLATURE	FY 1985			FY 1986		FY 1987	
		ACT	FY 1984	-----	-----	-----	E	C
253	78011A INDUSTRIAL PREPAREDNESS	6	"	92,500	104,062	84,413	U	
	DEFENSEWIDE MISSION SUPPORT		854,809	956,290	1,139,806	1,214,611		
TOTAL	RESEARCH DEVELOPMENT TEST + EVAL, ARMY		4,215,375	4,376,115	5,279,900	5,728,067		

UNCLASSIFIED

PAGE A-14

UNCLASSIFIED

**DEPARTMENT OF THE NAVY
FY 1986 R D T & E PROGRAM**

SUMMARY

EXHIBIT R-1

DATE: 04 FEB 1985

				THOUSANDS OF DOLLARS		
		FY 1984	FY 1985	FY 1986	FY 1987	
SUMMARY RECAP OF RESEARCH CATEGORIES						
RESEARCH		319,179	341,211	371,703	431,695	
EXPLORATORY DEVELOPMENT		446,294	441,695	481,466	573,288	
ADVANCED DEVELOPMENT		2,947,103	2,056,556	2,986,939	3,253,616	
ENGINEERING DEVELOPMENT		2,291,717	4,363,910	4,711,176	4,624,300	
MANAGEMENT AND SUPPORT		587,523	607,078	820,528	876,064	
RESEARCH AND DEVELOPMENT (FYDP PROGRAM 6)						
OPERATIONAL SYSTEMS DEVELOPMENT		6,591,816	7,810,450	9,171,812	9,558,963	
DEFENSEWIDE MISSION SUPPORT		1,037,602	1,463,656	2,092,488	2,249,388	
TOTAL RESEARCH DEVELOPMENT TEST + EVAL, NAVY		7,629,418	9,274,106	11,264,300	11,808,351	
SUMMARY RECAP OF BUDGET ACTIVITIES						
TECHNOLOGY BASE		765,473	782,906	853,169	1,004,983	
ADVANCED TECHNOLOGY DEVELOPMENT		226,548	169,673	239,449	328,535	
STRATEGIC PROGRAMS		1,762,707	2,294,890	2,482,030	2,112,529	
TACTICAL PROGRAMS		3,916,887	4,875,230	6,160,962	6,676,427	
INTELLIGENCE AND COMMUNICATIONS		345,400	423,109	704,007	756,984	
DEFENSEWIDE MISSION SUPPORT		612,403	728,296	824,683	926,893	
TOTAL RESEARCH DEVELOPMENT TEST + EVAL, NAVY		7,629,418	9,274,106	11,264,300	11,808,351	
SUMMARY RECAP OF FYDP PROGRAMS						
STRATEGIC FORCES		270,907	235,866	274,412	345,993	
GENERAL PURPOSE FORCES		540,708	673,449	1,084,246	1,105,353	
INTELLIGENCE AND COMMUNICATIONS		225,987	303,846	661,404	707,993	
RESEARCH AND DEVELOPMENT (FYDP PROGRAM 6)		6,591,816	7,810,450	9,171,812	9,558,963	
CENTRAL SUPPLY AND MAINTENANCE			50,495	72,426	90,049	
TOTAL RESEARCH DEVELOPMENT TEST + EVAL, NAVY		7,629,418	9,274,106	11,264,300	11,808,351	

PAGE N-1

UNCLASSIFIED

UNCLASSIFIED

**DEPARTMENT OF THE NAVY
FY 1986 R D T & E PROGRAM**

APPROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY

EXHIBIT R-1

DATE: 04 FEB 1985

PROGRAM LINE ELEMENT NO NUMBER	ITEM NOMENCLATURE	ACT	FY 1984	FY 1985	FY 1986	THOUSANDS OF DOLLARS
1 61103N	UNIVERSITY RESEARCH	1			6,250	12,500 U
2 61152N	IN-HOUSE INDEPEND LAB RES	1	23,385	28,627	26,277	28,356 U
3 61153N	DEFENSE RESEARCH SCIENCES	1	295,794	315,584	338,176	390,838 U
4 62101N	TACT DIRECTED ENERGY TECH	1		6,987	10,834	13,028 U
5 62241N	AIRCRAFT TECHNOLOGY	1	24,835	25,478	23,102	28,115 U
6 62331N	MISSILE PROPULSION TECH	1	9,233	10,276	10,503	12,024 U
7 62332N	SURF/AEROSPACE WPNSY TECH	1	26,816	26,045	27,218	33,221 U
8 62542N	NUCLEAR PROPULSION TECH	1	46,346	47,845	49,018	48,541 U
9 62543N	SHIP AND SUBMARINE TECH	1	32,763	29,811	25,272	30,270 U
10 62633N	UNDERSEA WARFAR WPNSY TECH	1	24,710	30,077	44,181	50,585 U
11 62711N	U/S TARGET SURV TECH	1	41,344	40,112	44,495	52,801 U
12 62712N	SURF/AEROSP TGT SURV TECH	1	34,911	32,040	32,240	41,956 U
13 62721N	COMMAND AND CONTROL TECH	1	30,643	30,656	28,943	36,003 U
14 62734N	COUNTERMEASURES TECH	1	27,818	20,846	27,005	34,367 U
15 62744N	M C AIR-GROUND TECHNOLOGY	1			18,498	20,848 U
16 62757N	HUMAN FACTORS&SIM TECH	1	6,557	8,951	7,652	8,961 U
17 62758N	BIOMEDICAL TECH	1	7,881	8,858	8,906	10,219 U
18 62759N	OCEAN AND ATMOS SUPT TECH	1	19,233	24,168	27,095	31,237 U
19 62760N	LOGISTICS TECH	1	13,608	14,596	13,311	16,326 U
20 62761N	MATERIALS TECH	1	35,611	35,651	33,004	40,428 U
21 62762N	ELEX DEVICE TECH	1	25,351	27,662	24,898	33,864 U

PAGE N-1 CL

UNCLASSIFIED

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**DEPARTMENT OF THE NAVY
FY 1986 R D T & E PROGRAM**

APPROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL. NAVY

EXHIBIT R-1

DATE: 04 FEB 1985

PROGRAM
LINE ELEMENT
NO NUMBER

ITEM NOMENCLATURE

PROGRAM LINE ELEMENT NO NUMBER	ITEM NOMENCLATURE	ACT ---	FY 1984 ---	FY 1985 ---	FY 1986 ---	FY 1987 C E
22 62763N	PERSONNEL & TRNG TECH	1	5,811	5,433	5,062	6,000 U
23 62764N	CHEM/B1QL & RADOL DEF TECH	1	3,823	4,899	4,765	5,818 U
24 62765N	ENERGY & ENVIRON PROT TECH	1	3,526			U
25 62766N	LAB INDEP EXPLORATORY DEV	1	12,061	13,304	15,463	16,694 U
26 62768N	DIRECTED ENERGY TECH	1	13,383			U
	TECHNOLOGY BASE		765,473	782,906	853,169	1,004,983
27 63202N	AVIONICS	2	2,497	1,700	4,909	3,924 U
28 63207N	AIR/OCEAN TACT APPLIC	2	5,941	6,304	6,946	11,397 U
29 63210N	ADV A/C PROPUL SYS	2	5,911	5,005	8,841	4,052 U
30 63216N	AVIATION LIFE SUPT SYS	2	595	1,121	1,377	1,386 U
31 63217N	ADV A/C SUBSYSTEMS	2	2,944	4,746	4,684	12,482 U
32 63303N	ERASE	2	24,801	4,805	10,149	8,599 U
33 63306N	ASM TECH	2	2,000		8,973	14,714 U
34 63308N	AAM TECH	2	3,956	2,915		4,905 U
35 63508N	SHIP PROP SYS (ADV)	2	32,651	44,091	30,664	40,662 U
36 63526N	ADV COMPUTER TECH	2	6,912	11,214	14,555	15,687 U
37 63573N	ELECTRIC DRIVE	2	8,585		9,762	U
38 63609N	CONVENTIONAL MUNITIONS	2	8,073	10,270	30,334	49,158 U
39 63654N	JOINT SERV E&D DEV (ADV)	2	4,394	6,887	10,898	11,188 U
40 63701N	HUMAN FACTORS ENG DEVEL	2	1,170	1,852	2,116	5,032 U
41 63704N	ASW OCEANOGRAPHY	2	3,261	3,355	6,376	8,064 U

UNCLASSIFIED

PAGE N-2

UNCLASSIFIED

DEPARTMENT OF THE NAVY
FY 1986 RDT&E PROGRAM

APPROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY

EXHIBIT R-1

DATE: 04 FEB 1985

PROGRAM LINE ELEMENT NO	ITEM NUMBER	ITEM NOMENCLATURE	ACT	FY 1984	FY 1985	FY 1986	FY 1987	THOUSANDS OF DOLLARS
42	63706N	MEDICAL DEVELOPMENT (ADV)	2	9,872	10,892	14,683	17,639	U
43	63707N	MNFVR CONTROL SYST DEV	2	1,771	2,522	4,098	7,063	U
44	63709N	ADV MARINE BIOLOGICAL SYS	2	3,893	6,425	5,477	5,748	U
45	63712N	GENERIC LOGISTICS R&D	2			8,886	31,168	U
46	63713N	OCEAN ENG TECH DEVELOP	2	16,428	16,816	13,083	20,637	U
47	63720N	EDUCATION & TRAINING	2	2,196	3,505	4,667	8,848	U
48	63721N	ENVIRONMENTAL PROTECTION	2	7,981	8,003	8,347	10,512	U
49	63722N	NAVAL SPECIAL WARFARE	2	7,928	7,469	11,862	13,321	U
50	63727N	ADV TECH FOR LOGISTIC INFO	2	1,784				U
51	63728N	MANUFACTURING TECH	2	49,127				U
52	63732M	ADV MANPOWER TRAINING SYS	2	5,465	2,848	6,144	8,509	U
53	63733N	TRAINING DEVICE TECH	2	6,411	7,228	8,679	9,460	U
54	63739N	NAV LOGISTICS PRODUCTIVITY	2			968	4,380	U
		ADVANCED TECHNOLOGY DEVELOPMENT	226,548	169,873	239,449	328,535		
55	63371N	TRIDENT II	3	1,473,233				U
56	63451N	SPACE TECHNOLOGY	3			14,002	18,780	U
57	63554N	SS()N	3				1,471	U
58	63566N	SSEBN SURVIVABILITY	3				2,845	U
59	63735N	WMMCS ARCHITECTURE SUPPT	3	1,004				U
60	63741N	SATELLITE LASER COMM	3		2,500			U

PAGE N-3

UNCLASSIFIED

UNCLASSIFIED

DEPARTMENT OF THE NAVY
FY 1986 RDT & E PROGRAM

APPROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY

EXHIBIT R-1

DATE: 04 FEB 1985

PROGRAM ELEMENT NUMBER	ITEM NOMENCLATURE	THOUSANDS OF DOLLARS			
		ACT	FY 1984	FY 1985	FY 1986
61 64363N	TRIDENT II	3	2,049,041	2,165,615	1,719,764 U
62 65656N	STRATEGIC TECH SUPPORT	3	7,663	6,013	3,882 4,299 U
63 11221N	FBM SYSTEM	3	21,679	29,809	33,550 51,318 U
64 11224N	SSBN SECURITY PROGRAM	3	36,671	43,623	38,591 52,393 U
65 11228N	TRIDENT I	3	71,194	32,515	47,195 59,180 U
66 11401N	ELF COMMUNICATIONS	3	57,292	27,920	28,283 6,718 U
67 11402N	NAVY STRATEGIC COMM	3	83,145	101,481	125,839 173,214 U
68 12427N	NAV SPASUR	3	726	518	954 1,170 U
69 33131N	MEECN	3	1,509	1,470	1,615 1,720 U
70 33152N	WIS MODERNIZATION	3	8,391	---	22,504 17,657 U
	STRATEGIC PROGRAMS		1,762,707	2,294,890	2,482,030 2,112,529
71 63206N	ABN ELECTRONIC WARFARE EQ	4	19,953	63,856	61,587 74,221 U
72 63208N	T45-TS	4	24,857	67,612	114,128 132,097 U
73 63213N	AIRBORNE INFRARED CM	4	10,819		
74 63214N	TAC CMD CNT COMM C/M	4	13,993		
75 63219N	ADV A/C ARMAMENT SYS	4	1,300		
76 63226N	CV ASW MODULE	4	3,832	4,259	5,022 4,608 U
77 63251N	A/C SYSTEMS (ADV)	4	5,000	5,894	5,128 U
78 63254N	AIR ASW	4	3,862	2,358	6,778 6,208 U
79 63256N	JVX	4	66,673	186,425	603,743 487,964 U
80 63257N	A-6E IMPROV	4	14,370	69,076	237,952 134,720 U

PAGE N-4

UNCLASSIFIED

UNCLASSIFIED

DEPARTMENT OF THE NAVY
FY 1986 RDT&E PROGRAM

APPROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY

EXHIBIT R-1

DATE: 04 FEB 1985

PROGRAM LINE ELEMENT ITEM NOMENCLATURE

PROGRAM LINE NO	ELEMENT NUMBER	ITEM NOMENCLATURE	ACT ---	FY 1984	FY 1985	FY 1986	FY 1987	THOUSANDS OF DOLLARS
81	63259N	ACOUS SEARCH SENSORS (ADV)	4	1,900	1,875	14,148	18,525	U
82	63260N	ABN MINE COUNTERMEASURES	4	14,832	18,622	6,906	19,407	U
83	63261N	TAC AIR RECON	4	7,495	9,950	20,332	19,612	U
84	63262N	A/C SURVIV & VULNER	4	10,687	14,825			
85	63267N	COMBAT IDENT SYS	4	6,857				U
86	63313N	MAVERICK	4	6,938	1,962			U
87	63315N	RETRACT YELLOW	4	8,350	12,356	25,728	69,396	U
88	63318N	ADV SURF/AIR MISSLE(ASAM)	4	3,924	7,347	41,610	81,205	U
89	63320N	LW COST ANTI-RADIATION SEEKER	4		29,941	16,523	17,657	U
90	63387N	SUBMARINE ASW STDOFF WPN	4	27,381	51,260	75,328	113,657	U
91	633882N	BGAAWC	4	6,336	10,151	11,183	13,986	U
92	63502N	SURFACE MCM	4	29,937	28,927	24,908	33,834	U
93	63504N	SUB SONAR DEVEL (ADV)	4	8,117	21,097	22,414	39,463	U
94	63506N	SURFACE SHIP TORP DEF	4	11,686	27,451	45,198	74,027	U
95	63509N	SHPBDR INFO TRANSFER SYS	4	2,276	4,386		8,830	U
96	63512N	CATAPULTS	4	1,274			10,601	U
97	63513N	SHIPBDR SYS COMP DEV	4	12,483	15,343	21,427	26,793	U
98	63514N	SHIPBOARD DAMAGE CONTROL	4	17,575	18,163	32,320	50,471	U
99	63515N	ADV IDENTIFICATION TECH	4	2,212				U
100	63516N	RADAR SURVEILLANCE EQUIP	4	486				U
101	63519N	ADV COMMAND DATA SYS	4	2,496	5,980	2,695	5,329	U

UNCLASSIFIED

PAGE N-5

UNCLASSIFIED

DEPARTMENT OF THE NAVY
FY 1986 R D T & E PROGRAM
APPROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY

EXHIBIT R-1

DATE: 04 FEB 1985

PROGRAM	LINE ELEMENT NO	ITEM NOMENCLATURE	THOUSANDS OF DOLLARS		
			ACT	FY 1984	FY 1985
102	63522N	SUB ARCTIC WF/SPT EQUIP PR	4	2, 253	10, 285
103	63525N	PILOT FISH	4	92, 752	119, 231
104	63528N	NON ACOUSTIC ASW	4	12, 394	22, 276
105	63529N	ADV ASW TARGET	4	2, 303	16, 857
106	63532N	SHIP SYS ENGR STDS	4	4, 429	4, 801
107	63536N	RETRACT JUNIPER	4		10, 636
108	63539N	RETRACT AMBER	4	1, 846	
109	63542N	RADIOLOGICAL CONTROL	4		1, 663
110	63550N	LINK DOGWOOD	4	5, 887	19, 687
111	63553N	SURFACE ASW	4	6, 434	17, 642
112	63560N	SUB HULL ARRAY DEV (ADV)	4	15, 522	11, 529
113	63561N	ADV SUB SYS DEVEL	4	81, 363	152, 790
114	63562N	SUB TAC W/F SYS (ADV)	4	15, 004	20, 631
115	63564N	SHIP DEVELOPMENT (ADV)	4	18, 314	15, 946
116	63565N	SURF SHIP NAVIG SYS	4		2, 841
117	63566N	AMPHIB ASSLT CRAFT	4	6, 291	
118	63569N	ATTACK SUBMARINE DEV	4	10, 738	21, 947
119	63570N	ADV NUC REACT COMP SYS DEV	4	26, 497	70, 803
120	63571N	SHIBD PHYSICAL SECURITY	4	5, 235	6, 109
121	63576N	CHALK EAGLE	4	14, 259	51, 912
122	63578N	A4W/A1G NUC PROP PLNT	4	12, 193	5, 705

UNCLASSIFIED

PAGE N-6

UNCLASSIFIED

**DEPARTMENT OF THE NAVY
FY 1986 RDT & E PROGRAM**

APPROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY

EXHIBIT R-1

DATE: 04 FEB 1985

PROGRAM LINE ELEMENT NO NUMBER	ITEM NOMENCLATURE	ACT	THOUSANDS OF DOLLARS		
			FY 1984	FY 1985	FY 1986
123	63582N COMBAT SYSTEM INTEGRATION	4	14,844	21,516	22,383
124	63589N DDG-51	4	110,224	118,735	100,836
125	63591N JOINT ADV SYS	4	111,853	137,095	132,348
126	63601N MINE DEVELOPMENT	4	3,908	890	1,964
127	63610N ALWT (ADV)	4	4,050	4,050	10,113
128	63611M MC ASSAULT VEHICLES	4	62,884	38,871	10,407
129	63634N TAC NUC DEVELOPMENT	4	5,314	7,338	9,721
130	63635M GRD COMBAT/SUPP ARMS SYS	4	5,796	5,181	17,129
131	63702N OCEAN ENGR SYS DEV	4	2,153	2,269	1,380
132	63708N LOGISTICS	4	828	932	932
133	63708N ANTI SUB W/F SIGN PROC	4	4,499	14,167	15,535
134	63711N FLEET TAC D&E PROGRAM	4	5,160	6,201	3,880
135	63717N COMMAND & CONTROL SYS(ADV)	4	28,598	18,801	42,973
136	63719N CONTAINER OFFLOAD & TRNSFR SYS	4	1,744	1,470	1,515
137	63724N NAVY ENERGY PROGRAM (ADV)	4	23,393	20,057	18,576
138	63725N FACILITIES IMPROV	4	4,833	8,989	7,279
139	63726N MERSHIP NAV AUX PROG	4	4,716	5,947	6,031
140	63729M COMBAT SERVICES SUP (ADV)	4	7,233	4,678	9,356
141	63730M MC INTELL/ELEC WARFARE SYS	4	2,921	8,231	70
142	63734N CHALK CORAL	4	6,683	5,392	3,039
143	63736N STRIKE WARFARE	4	1,398	589	589

PAGE N-7

UNCLASSIFIED

UNCLASSIFIED

DEPARTMENT OF THE NAVY
FY 1986 RDT & E PROGRAM

APPROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY

EXHIBIT R-1

DATE: 04 FEB 1985

PROGRAM LINE ELEMENT NO NUMBER	ITEM NOMENCLATURE	ACT	FY 1984	FY 1985	FY 1986	FY 1987	E
			-----	-----	-----	-----	C
144 63737N	LINK HAZEL	4	37,730	48,500	23,564	40,218	U
146 63740N	LINK LAUREL	4		30,000	35,345	7,357	U
148 63743N	ARIADNE	4			2,185	9,834	U
147 63744N	LINK SPRUCE	4		8,500	67,352	127,521	U
148 63746N	RETRACT MAPLE	4		5,600	8,247	18,147	U
149 63763N	NCCS SE&I	4	11,803	10,325	7,181	8,028	U
150 63784N	ASW SURVEILLANCE	4	3,000	8,538	19,458	25,521	U
151 63785N	LRAP	4	9,153	10,538	15,678	18,915	U
152 63787N	SPECIAL PROCESSES	4	58,488	69,519	49,532	42,189	U
153 63788N	RDSS	4	16,197	10,648	15,380	20,822	U
154 64203N	AVIONICS DEV	4	8,409	11,337	14,985	22,346	U
155 64211N	IFF SYS DEV	4	8,435	12,003	17,477	14,767	U
156 64212N	LAMPS III	4	7,102	14,473	16,006	12,029	U
157 64213N	HELICOPTER DEVELOPMENT	4	32,489	13,324	7,902	13,357	U
158 64214N	AV8B (ENG)	4	104,046	71,545	72,078	54,070	U
159 64215N	SUPPORT EQUIPMENT	4	6,548	12,563	16,428	40,049	U
160 64217N	S-3 WPNSYS IMP S-3()	4	59,032	33,205	15,985	12,191	U
161 64218N	AIR OCEAN EQUIP ENG	4	1,345	2,498	2,468	2,551	U
162 64219N	ABN ASW DEVELOPMENTS	4	19,025	19,406	6,136	2,326	U
163 64220N	A/C IR SIGN SUPPRESSION	4	1,391	5,555	3,945	1,369	U
164 64221N	P-3 MODERNIZATION PROG	4	8,971	29,814	48,725	79,003	U

PAGE N-8

UNCLASSIFIED

UNCLASSIFIED

APPROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY
 DEPARTMENT OF THE NAVY
 FY 1986 R D T & E PROGRAM

EXHIBIT R-1
 DATE: 04 FEB 1985

PROGRAM LINE ELEMENT NO	ITEM NOMENCLATURE	ACT	THOUSANDS OF DOLLARS		
			FY 1984	FY 1985	FY 1986
165 64224N	ABN EW ENG	4	3,336	42,089	62,298
166 64225N	ADV RADAR WARNING	4	7,688		77,356 U
167 64226N	ASPJ	4	42,698	40,260	24,985
168 64228N	SH-60 CV VARIANT	4	18,373		U
169 64229N	CV 12 ASW HELO	4		20,080	12,722
170 64252N	A/C PROPULSION (ENG)	4	9,213	25,856	44,866
171 64255N	EW SIMULATOR DEV	4	16,065	20,932	40,275
172 64260N	C/MH-53E	4	28,779	13,102	2,300
173 64261N	ACOUSTIC SRCH SENSRS (ENG)	4	22,476	25,426	42,630
174 64264N	AVIATION LIFE SUPT SYS	4	9,687	11,799	32,809
175 64267N	AWG-9 UPDATE	4	2,481		33,849 U
176 64268N	A/C ENGINES COMP IMP PROG	4	83,235	81,595	65,843
177 64301N	MK92 FCS UPGRADE	4	72,593	15,100	13,326
178 64303N	AEGIS AREA AIR DEF	4	12,308	13,565	11,081
179 64307N	CG-47 PRODUCT IMPROVEMENT	4	53,658	44,754	48,506
180 64308N	LINK ASH	4	7,729	19,579	13,636
181 64314N	AMRAAM	4	6,073	16,627	17,051
182 64352N	S/L WPNR SHIP SYSTEMS	4	1,384	1,387	1,486 U
183 64353N	VERTICAL LAUNCHING SYS	4	44,899	43,478	29,566
184 64354N	AAM SYSTEMS ENGINEERING	4	3,071		13,589
185 64355N	VLS ASROC	4	30,845	28,688	37,444
					38,096 U
				PAGE	N-9

UNCLASSIFIED

UNCLASSIFIED

DEPARTMENT OF THE NAVY
FY 1986 R D T & E PROGRAM
APPROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY

EXHIBIT R-1
DATE: 04 FEB 1985

PROGRAM LINE ELEMENT NUMBER	ITEM NOMENCLATURE	ACT			FY 1984			FY 1985			FY 1986			FY 1987		
		---	---	---	---	---	---	---	---	---	---	---	---	---	---	
THOUSANDS OF DOLLARS																
188 64368N	CIWS (PHALANX)	4	1,230		2,846		7,612		9,622		9,622		9,622		9,622	
187 64361N	NATO SEA SPARROW	4	4,846		8,232		8,047		8,146		8,146		8,146		8,146	
188 64365N	SM-2 (N)	4	17,107				9,756		23,886		23,886		23,886		23,886	
189 64366N	STANDARD MSL IMPROVEMENTS	4	31,393		40,693		47,185		54,202		54,202		54,202		54,202	
190 64367N	TOMAHAWK	4	128,644		74,421		68,798		87,339		87,339		87,339		87,339	
191 64369N	5" ROLLING AIR FRAME MSLE	4	7,879		4,912		10,948		1,963		1,963		1,963		1,963	
192 64370N	SSN-688 VLS	4	53,876		29,276		25,699		15,319		15,319		15,319		15,319	
193 64371N	HELLFIRE	4	2,706		2,392											
194 64372N	NEW THREAT UPGRADE	4	47,603		49,998		54,034		59,878		59,878		59,878		59,878	
195 64502N	SUBMARINE COMM	4	4,801		4,107		4,426		5,616		5,616		5,616		5,616	
196 64503N	SUB SONAR DEVELOP (ENG)	4	56,489		39,751		40,299		56,785		56,785		56,785		56,785	
197 64504N	AIR CONTROL ENG	4	26,877		20,803		20,335		20,870		20,870		20,870		20,870	
198 64506N	BR/CW COUNTERMEASURES	4	7,610		7,071		6,079		8,839		8,839		8,839		8,839	
199 64507N	EMSP	4	31,669		61,587		99,277		115,520		115,520		115,520		115,520	
200 64508N	RADAR SURVEILLANCE EQUIP	4	8,640		11,645		6,330		8,281		8,281		8,281		8,281	
201 64509N	ADV TACT RAD	4					2,909		17,166		17,166		17,166		17,166	
202 64510N	COMMUNICATIONS SYS	4	4,538		5,001											
203 64511N	INTELLIGENCE SYSTEMS	4	1,522		1,064		901		715		715		715		715	
204 64515N	SUB SURV EQUIP PROG (ENG)	4	4,690		7,349		19,429		37,079		37,079		37,079		37,079	
205 64516N	SHIP SURVIVABILITY	4	4,479		6,228		5,904		9,072		9,072		9,072		9,072	
206 64518N	CIC CONVERSION	4	24,439		30,373		29,204		26,572		26,572		26,572		26,572	

PAGE N-10

UNCLASSIFIED

UNCLASSIFIED

DEPARTMENT OF THE NAVY
FY 1986 R D T & E PROGRAM

APPROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY

EXHIBIT R-1

DATE: 04 FEB 1985

PROGRAM LINE NUMBER	ITEM ELEMENT ELEMENT	ITEM NOMENCLATURE	ACT	THOUSANDS OF DOLLARS		
				FY 1984	FY 1985	FY 1986
207	64520N	SUB HULL ARRAY DEV (ENG)	4		14,500	25,974
208	64524N	SUBACS (ENG)	4	92,795	169,047	205,205
209	64554N	SURFACE E/W	4	5,141		
210	64561N	SUBMARINE (ENG)	4	1,921		
211	64562N	SUB TAC W/F SYSTS (ENG)	4	46,945	41,529	49,798
212	64563N	SHPBD PHYS SECURITY (ENG)	4	2,436	2,338	4,617
213	64567N	SHIP SUBSYS DEV/LBTS	4	79,683	87,592	89,418
214	64569N	NATO SEA GNAT	4	3,924	1,792	2,284
215	64573N	SHPBD EW IMPROV	4	12,386	44,535	63,776
216	64574N	TACT EMBEDDED COMP PROG	4	16,864	9,429	19,168
217	64575N	AN/SQS-53C	4	47,944	50,233	37,713
218	64578N	LINK BIRCH	4	5,189	7,456	4,078
219	64601N	MINE DEVEL (ENG)	4	13,772	13,747	9,367
220	64602N	NAVAL GUNNERY IMPROVEMENT	4	5,109	4,617	15,870
221	64603N	UNGUIDED CONVENT A/L WPNS	4	14,356	4,170	4,678
222	64604N	C/W WEAPONS	4	9,469	2,122	
223	64608N	SAL GP/ED SENS DEVEL	4	30,447	39,708	48,717
224	64609N	BOMB-FUZE IMPR	4	505	6,304	5,672
225	64610N	MK 50 TORP (ALWT)	4	139,389	146,343	156,290
226	64654N	JOINT SERV EOD DEV (ENG)	4	3,174	4,012	4,405
227	64656M	MC ASSAULT VEHICLES	4		11,619	45,653

PAGE N-11

UNCLASSIFIED

UNCLASSIFIED

DEPARTMENT OF THE NAVY
FY 1986 R D T & E PROGRAM

APPROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY

EXHIBIT R-1

DATE: 04 FEB 1985

PROGRAM
LINE ELEMENT
NO NUMBER

ITEM NOMENCLATURE

ACT

FY 1984

FY 1985

THOUSANDS OF DOLLARS

228	64657N	GRD COMBAT/SUP ARMS SYS	4	11,843	2,928	8,686	13,493	U
229	64675N	MK 48 ADCAP (ENG)	4	173,224	128,623	63,470	34,906	U
230	64704N	ASW OCEANOGRAPHIC EQUIP	4			506	1,333	U
231	64705N	CHALK BANYAN	4	5,000	5,000	5,826	5,801	U
232	64710N	NAVY ENERGY PROGRAM (ENG)	4	21,906	11,185	9,799	12,755	U
233	64711N	COMMAND & CONTROL SYS(ENG)	4	19,384	54,790	66,173	58,936	U
234	64713N	TACTAS (AN-SQR-19)	4	3,589		16,200	40,512	U
235	64714N	AIR W/F TRAINING DEV	4	10,985	3,098			U
236	64715N	SURFACE W/F TRAINING DEV	4	24,494	28,817	25,821	32,813	U
237	64716N	SUBMARINE W/F TRAINING DEV	4	577	483			U
238	64717M	COMBAT SERVICES SUPP	4	4,067	3,361	3,638	4,641	U
239	64718M	INTELL/ELECT W/F SYS	4	3,330	5,647	14,159	9,252	U
240	64719M	COMMAND/CNT/COMM SYS	4	19,151	27,450	18,906	22,638	U
241	64720M	TAC AIR OPER CENTRAL 85	4	7,480	5,356			U
242	64725N	REGIONAL TACTICAL SURV	4	27,807	31,723	56,225	35,568	U
243	64761N	INTELLIGENCE (ENG)	4	12,086	9,806	12,421	7,287	U
244	64771N	MEDICAL DEV (ENG)	4	1,814	2,387	1,380	3,349	U
245	64779N	JINTACCS	4	7,832	3,912	5,622	4,471	U
246	64780M	JINTACCS MC	4	6,182	5,229	2,945	3,531	U
247	64789N	SURV TOWED ARRAY SENSOR	4				3,242	U
248	65155N	FLT TACT D&E	4	16,521	14,718	17,197	19,662	U

PAGE N-12

UNCLASSIFIED

UNCLASSIFIED

DEPARTMENT OF THE NAVY
FY 1986 RDT&E PROGRAM

APPROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY

EXHIBIT R-1

DATE: 04 FEB 1985

PROGRAM LINE ELEMENT NO	ITEM NOMENCLATURE	ACT	S		
			FY 1984	FY 1985	FY 1986
249 65803N	EMI AND SPECTRUM CONTROL	4	3,797	4,113	3,870
250 65853N	MANAG & TECH SUPPORT	4	9,860	11,331	11,063
251 65867N	C2 SURV/RECONN SPT	4	3,644	4,799	3,979
252 65871N	MC TAC EXPLDIT NAT CAP	4	437	427	416
253 24134N	A6 SQUADRONS	4	8,515	21,741	19,205
254 24136N	F/A-18 SQUADRONS	4	19,794	29,914	56,314
255 24152N	EARLY WARNING ACFT SQDNS	4	50,328	37,429	23,666
256 24161N	AVIATION SUPPORT CVW	4	8,814	2,978	1,785
257 24163N	FLT TELECOM (TAC)	4	31,552	50,249	72,697
258 24243N	LAMPS	4	7,300	5,399	3,756
259 24261N	SUBMARINES	4	15		2,202
260 24304N	MINES & MINE SUPPORT	4	48,241	27,819	25,217
261 24311N	UNDERSEAS SURVEILLANCE SYS	4			32,985
262 24313N	SURTASS	4	476	3,743	2,186
263 24571N	SPECIAL PROJECTS	4	18,627	18,683	20,513
264 24573N	NAVY COVER & DECEPT PROG	4	16,248	24,904	25,584
265 24575N	ELECTRONIC WARFARE SPT	4	6,982	11,035	8,573
266 24576N	COUNTER C3 DEV	4	10,271	27,823	22,563
267 25601N	HARM IMPROVEMENT	4	8,497	4,252	2,636
268 25604N	JTIDS	4	109,718	141,690	184,846
269 25620N	ASW COMBAT SYS INTEG	4	15,446	11,960	12,271

PAGE N-13

UNCLASSIFIED

UNCLASSIFIED

**DEPARTMENT OF THE NAVY
FY 1986 R D T & E PROGRAM**

APPROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY

'EXHIBIT R-1

DATE: 04 FEB 1985

PROGRAM LINE ELEMENT NO NUMBER	ITEM NOMENCLATURE	THOUSANDS OF DOLLARS		
		ACT	FY 1984	FY 1985
270	25623N SURF SHP SONAR MODRNIZATN	4	3, 359	7, 598
271	25633N ACFT EQ REL/MAINT PROG	4	7, 027	7, 852
272	25634N SUBMARINE SILENCING	4	15, 763	29, 298
273	25645N MODULAR GUIDED WPN IMPR	4	3, 704	7, 682
274	25688N LAB FLEET SUPPORT	4	5, 682	6, 364
275	25662N A/C PROPULSION EVAL GEN	4	2, 755	6, 158
276	25687N F-14 D	4	40, 640	277, 149
277	25670N TACTICAL INTELL PROC SUP	4	1, 910	2, 033
278	25674N EW COUNTER RESPONSE	4	23, 394	35, 818
279	25675N OPERATIONAL REACTOR DEV	4	17, 789	12, 791
280	26313M MARINE CORPS TELECOM	4	4, 589	4, 830
281	26623M GRD COMBAT/SUP ARMS SYS	4	14, 364	25, 818
282	26624M COMBAT SERVICES SUP	4	1, 040	2, 253
283	26625M INTELL/ELECT WARFARE SYS	4	1, 409	576
284	26626M COMMAND/CONT/COMM SYS	4	14, 464	24, 984
285	26627M M/C TECH SUPT C/C SYS	4	2, 554	3, 077
286	28010M TRI-TAC-MC	4	14, 486	17, 371

UNCLASSIFIED

PAGE N-14

UNCLASSIFIED

DEPARTMENT OF THE NAVY
FY 1986 R D T & E PROGRAM
APPROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY

EXHIBIT R-1
DATE: 04 FEB 1985

PROGRAM LINE ELEMENT NO NUMBER	ITEM NOMENCLATURE	THOUSANDS OF DOLLARS			
		ACT	FY 1984	FY 1985	FY 1986
287	28010N TRI-TAC-NAVY	4	4,952	3,892	-
	TACTICAL PROGRAMS		3,916,887	4,875,230	6,160,962
					6,678,427
288	63518N ADV NAVIG DEVELOPMENT	5	480	687	1,941
289	64514N NAVIGATION SYSTEMS	5	2,342	670	920
290	64577N EHF SATCOM	5	64,004	73,619	45,437
291	64777N NAVSTAR GPS	5	59,879	62,824	70,079
292	65666N C2 SYSTS PLAN/ENG SUPP	5	4,167	5,820	5,466
293	31303N FIELD OPER INTELL OFFICE	5			5,818 U
294	31326N PRAIRIE SCHOONER	5			
295	31327N TECH RECONN AND SURV	5			
296	33109N SATELLITE COMMUNICATIONS	5	8,564	11,305	17,973
297	33126N LONG HAUL COMM(DCS)	5	1,153		
298	33401N COMSEC	5			
299	33603N MILSTAR JOINT PROJ OFFICE	5			
300	34111N SPECIAL ACTIVITIES	5			
	INTELLIGENCE AND COMMUNICATIONS		345,400	423,109	704,007
					756,984
301	64208N RANGE INST & SYS DEV	6	9,403	8,986	8,382
302	64258N TARGET SYSTEMS DEV	6	56,003	81,444	109,012
303	64703N TRNG & PERS SYS DEV	6	3,994	4,629	3,086
304	65151M STUDIES & ANAL SUP/MC	6	852	1,832	1,785
					1,843 U

PAGE N-15

UNCLASSIFIED

47/

UNCLASSIFIED

DEPARTMENT OF THE NAVY
FY 1986 RDT&E PROGRAM

APPROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY

EXHIBIT R-1
DATE: 04 FEB 1985

PROGRAM LINE ELEMENT NO	ITEM NOMENCLATURE	ACT	FY 1984	FY 1985	FY 1986	FY 1987	E
308 65152N	STUDIES & ANAL SUP/NAVY	6	5, 936	6, 282	3, 977	4, 298	U
308 65153M	MCOAG	6	2, 865	2, 960	3, 714	4, 138	U
307 65154N	CENTER FOR NAVAL ANAL/NAVY	6	10, 672	15, 425	21, 813	22, 916	U
308 65156M	MC OPERATIONAL T&E	6	1, 009	2, 618	2, 317	2, 093	U
308 65502N	SML BUSINESS INNOVATN RES	6	12, 297	25, 200	U		
310 65504N	TECH INFO SERVICES	6	1, 772	2, 173	2, 744	3, 086	U
311 65582N	AUTEC	6	45, 043	43, 197	51, 914	53, 901	U
312 65584M	DEVELOPMENT CENTER SUPPORT	6	2, 495	3, 946	3, 958	4, 254	U
313 655857N	INTERNATIONAL RDT&E	6	1, 637	1, 768	2, 436	2, 620	U
314 655859N	MOBILE SEA RANGE	6	2, 642	5, 644	5, 268	10, 150	U
315 655861N	RDT&E LAB & FAC MGMT SPT	6	95, 439	56, 748	66, 278	73, 134	U
316 655862N	RDT&E INSTRUM & MATL SPT	6	23, 216	18, 832	20, 321	22, 780	U
317 655863N	RDT&E SHIP & AIRCRAFT SPT	6	61, 370	78, 635	84, 293	93, 256	U
318 655864N	TEST AND EVAL SPT	6	264, 605	287, 861	294, 480	312, 997	U
319 655865N	OT&E CAPABILITY	6	5, 539	6, 738	6, 503	6, 929	U
320 655872N	PRODUCTIVITY IMPROVEMENT	6	4, 055	4, 055	2, 855	1, 719	U
321 35111N	WEATHER SERVICE	6	1, 052	1, 402	1, 146	1, 192	U
322 35160N	DEF METEOROLOG SATELL PROG	6	507	21, 485	55, 975	60, 253	U

UNCLASSIFIED

PAGE N-16

UNCLASSIFIED

DEPARTMENT OF THE NAVY
FY 1986 R D T & E PROGRAM

APPROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY

EXHIBIT R-1

DATE: 04 FEB 1985

PROGRAM LINE ELEMENT NO NUMBER	ITEM NOMENCLATURE	THOUSANDS OF DOLLARS		
		ACT	FY 1984	FY 1985
323	78011N MANUFACTURING TECH	6	50,495	72,426
	DEFENSEWIDE MISSION SUPPORT	612,403	728,296	824,683
				926,893
TOTAL	RESEARCH DEVELOPMENT TEST + EVAL, NAVY	7,629,418	9,274,106	11,264,300
				11,808,351

UNCLASSIFIED

PAGE N-17

1/1

UNCLASSIFIED

DEPARTMENT OF THE AIR FORCE
FY 1986 RDT & E PROGRAM

SUMMARY

EXHIBIT R-1

DATE: 04 FEB 1985

THOUSANDS OF DOLLARS

SUMMARY RECAP OF RESEARCH CATEGORIES

	FY 1984	FY 1985	FY 1986	FY 1987
RESEARCH	192,145	203,671	230,028	272,654
EXPLORATORY DEVELOPMENT	545,754	544,984	595,185	689,477
ADVANCED DEVELOPMENT	1,355,049	2,140,821	3,249,742	4,135,653
ENGINEERING DEVELOPMENT	5,875,305	5,445,313	4,734,313	4,430,501
MANAGEMENT AND SUPPORT	834,680	843,290	926,922	1,035,925
RESEARCH AND DEVELOPMENT (FYDP PROGRAM 6)	6,602,933	9,177,979	9,736,190	10,544,210
OPERATIONAL SYSTEMS DEVELOPMENT	3,472,273	4,328,268	5,842,310	6,028,884
TOTAL RESEARCH DEVELOPMENT TEST + EVAL, AF	12,275,206	13,506,247	15,578,500	16,573,094

SUMMARY RECAP OF BUDGET ACTIVITIES

TECHNOLOGY BASE	737,899	748,555	825,213	942,131
ADVANCED TECHNOLOGY DEVELOPMENT	446,369	516,410	713,971	856,951
STRATEGIC PROGRAMS	5,514,054	5,766,039	6,743,785	6,283,962
TACTICAL PROGRAMS	2,284,626	2,729,466	3,792,137	3,990,048
INTELLIGENCE AND COMMUNICATIONS	1,594,831	1,848,626	2,382,832	2,324,534
DEFENSEWIDE MISSION SUPPORT	1,697,427	1,897,151	2,120,562	2,173,468
TOTAL RESEARCH DEVELOPMENT TEST + EVAL, AF	12,275,206	13,506,247	15,578,500	16,573,094

SUMMARY RECAP OF FYDP PROGRAMS

STRATEGIC FORCES	418,417	370,498	726,076	666,117
GENERAL PURPOSE FORCES	635,563	872,537	1,228,162	1,252,461
INTELLIGENCE AND COMMUNICATIONS	2,328,093	2,969,002	3,672,745	3,896,382
AIRLIFT/SEALIFT	20,639	32,116	69,598	42,957
RESEARCH AND DEVELOPMENT (FYDP PROGRAM 6)	8,802,933	9,177,979	9,736,190	10,544,210
CENTRAL SUPPLY AND MAINTENANCE	63,858	70,865	136,361	159,559
TRAINING MEDICAL AND OTHER	2,846	5,208	5,300	6,895
ADMINISTRATION AND ASSOC ACTIVITIES	2,857	5,200	1,174	1,469
SUPPORT OF OTHER NATIONS	2,857	2,842	2,894	3,044
TOTAL RESEARCH DEVELOPMENT TEST + EVAL, AF	12,275,206	13,506,247	15,578,500	16,573,094

PAGE F-1

UNCLASSIFIED

UNCLASSIFIED

APPROPRIATION: 3600 F RESEARCH DEVELOPMENT TEST + EVAL, AF
 DEPARTMENT OF THE AIR FORCE
 FY 1986 RDT&E PROGRAM

EXHIBIT R-1

DATE: 04 FEB 1985

PROGRAM LINE ELEMENT NO NUMBER	ITEM NOMENCLATURE	ACT	THOUSANDS OF DOLLARS		
			FY 1984	FY 1985	FY 1986
1 61101F	IN-HOUSE LAB INDEPENDENT RESEARCH	1	13,068	15,000	17,444
2 61102F	DEFENSE RESEARCH SCIENCES	1	179,076	186,571	206,334
3 61103F	UNIVERSITY RESEARCH	1			6,250
4 62101F	GEOPHYSICS	1	41,347	37,086	38,614
5 62102F	MATERIALS	1	47,544	48,900	54,769
6 62201F	AEROSPACE FLIGHT DYNAMICS	1	61,952	64,193	67,545
7 62202F	AEROSPACE BIOTECHNOLOGY	1	42,954	45,000	50,840
8 62203F	AEROSPACE PROPULSION	1	56,216	58,088	62,609
9 62204F	AEROSPACE AVIONICS/VHSI CIRCUITS	1	70,188	72,510	74,806
10 62205F	TRAINING/SIMULATION TECH	1	22,632	23,040	25,236
11 62206F	CIVIL ENGINEERING & ENVIRONMENTAL QA	1			7,125
12 62302F	ROCKET PROPULSION	1	35,400	34,500	41,661
13 62601F	ADVANCED WEAPONS	1	48,354	36,894	37,020
14 62602F	CONVENTIONAL MUNITIONS	1	39,408	42,820	44,819
15 62702F	COMMAND/CONTROL/COMMUNICATION	1	72,679	73,124	80,720
16 62703F	PERS UTILIZATION TECH TECHNOLOGY BASE	1	7,080 737,899	7,829 746,555	9,421 825,213
17 63106F	LOGISTICS RESEARCH & DEV RQMTS	2	2,985	5,248	12,736
18 63107F	AUTOMATION OF TECHNICAL INFORMATION	2			21,859
19 63202F	ACFT PROPULSION SUBSYS INTEGRATION	2	24,725	26,819	27,493
20 63203F	ADV AVIONICS FOR ACFT	2	21,800	20,000	22,851

PAGE F-1-a

UNCLASSIFIED

UNCLASSIFIED

DEPARTMENT OF THE AIR FORCE
FY 1986 RDT & E PROGRAM

APPROPRIATION: 3600 F RESEARCH DEVELOPMENT TEST + EVAL, AF

EXHIBIT R-1

DATE: 04 FEB 1985

PROGRAM LINE ELEMENT NO	ITEM NOMENCLATURE	ACT	THOUSANDS OF DOLLARS		
			FY 1984	FY 1985	FY 1986
21 63205F	FLT VEHICLE TECHNOLOGY	2	13,000	15,617	22,884
22 63208F	RECON SENSORS/PROCESSING TECHNOLOGY	2	4,975	8,323	9,182
23 63211F	AEROSPACE STRUCTURES/MATERIALS	2	22,649	10,938	23,596
24 63215F	AVIATION TURBINE FUEL TECHNOLOGY	2	4,402	3,289	4,671
25 63216F	ADV TURBINE ENGINE GAS GENERATOR	2	24,532	25,302	29,656
26 63217F	WEAPON SYSTEM POWER	2			1,947
27 63226F	DOD COMMON PROG LANGUAGE(ADA)ADV DEV	2	7,762	8,055	7,480
28 63227F	ADVANCED SIMULATOR TECHNOLOGY	2	8,238	7,486	4,410
29 63231F	CREW SYSTEMS TECHNOLOGY	2	6,866	10,200	12,754
30 63244F	ACFT NON-NUCLEAR SURVIVABILITY	2		3,931	3,278
31 63245F	ADV FIGHTER TECH INTEGRATION	2	11,664	18,954	22,276
32 63260F	LINCOLN LABORATORY	2	23,950	20,750	26,363
33 63263F	ADVANCED SYSTEM INTEGRATION DEMO	2	22,903	30,000	36,327
34 63269F	CARTOG APPLICATIONS-TAC & STRAT SYS	2		1,094	1,409
35 63302F	SPACE & MSL ROCKET PROPULSION	2	1,273	2,000	8,381
36 63313F	ADV MSL SUBSYSTEMS DEMONSTRATION	2			1,208
37 63319F	ADVANCED TECHNOLOGY CRUISE MISSILE	2		18,417	7,877
38 63363F	HYPERVERLOCITY MISSILE	2	970		10,763
39 63401F	ADVANCED SPACECRAFT TECH	2		6,900	9,700
40 63406F	ADV MILITARY SPACEFLIGHT TECHNOLOGY	2			916
41 63410F	SPACE SYS ENVIRON INTERACTIONS TECH	2	1,420	3,730	4,954

UNCLASSIFIED

PAGE F-2

UNCLASSIFIED

DEPARTMENT OF THE AIR FORCE
FY 1986 R D T & E PROGRAM

APPROPRIATION: 3600 F RESEARCH DEVELOPMENT TEST + EVAL, AF

EXHIBIT R-1

DATE: 04 FEB 1985

PROGRAM LINE ELEMENT NUMBER	ITEM NOMENCLATURE	ACT	THOUSANDS OF DOLLARS		
			FY 1984	FY 1985	FY 1986
42 63424F	MSL SURVEILLANCE TECH	2		3,000	11,850
43 63452F	VERY HIGH SPEED INTEGRATED CIRCUITS	2	120,109	135,000	193,776
44 63453F	NUCLEAR SYSTEMS ADV DEV	2			1,469
45 63454F	NON-DESTRUCTIVE INSPECTION AD DEV	2			980
46 63601F	CONVENTIONAL WEAPONS	2	18,100	20,749	26,590
47 63605F	ADVANCED RADIATION TECH	2	46,680	5,000	19,749
48 63704F	MANPOWER & PERSONNEL SYS TECH	2	796	2,039	2,199
49 63707F	WEATHER SYSTEMS	2		2,955	3,963
50 63718F	ELECTRONIC WARFARE TECHNOLOGY	2		22,105	29,436
51 63723F	CIVIL/ENVIRONMENTAL ENGR TECH	2	6,585	9,100	11,488
52 63728F	FIBER OPTICS DEVELOPMENT	2		3,053	3,861
53 63727F	ADVANCED COMMUNICATIONS TECHNOLOGY	2		4,838	4,895
54 63728F	ADVANCED COMPUTER TECHNOLOGY	2	6,856	6,672	8,643
55 63743F	ELECTRO-OPTICAL WARFARE	2	16,214	16,806	15,818
56 63745F	CHEMICAL WARFARE DEFENSE	2		3,824	6,165
57 63750F	COUNTER/COUNTERMEASURES - ADV DEV	2	8,960	10,444	14,444
58 63751F	TRAINING SYSTEMS TECHNOLOGY	2	3,590	5,070	2,324
59 63752F	DDD SOFTWARE ENGINEERING INSTITUTE	2		5,000	11,742

PAGE F-3

UNCLASSIFIED

46

117

UNCLASSIFIED

DEPARTMENT OF THE AIR FORCE
FY 1986 R D T & E PROGRAM
APPROPRIATION: 3600 F RESEARCH DEVELOPMENT TEST + EVAL, AF

EXHIBIT R-1

DATE: 04 FEB 1985

PROGRAM LINE ELEMENT NO	ITEM NUMBER	ITEM NOMENCLATURE	ACT ---	FY 1984 ---	FY 1985 ---	FY 1986 ---	FY 1987 C -----	E -----
60	63789F	CMD/CNTRL/COMM ADV DEV	2	14,365 446,369	16,700 516,410	26,273 713,971	31,352 858,951	U
		ADVANCED TECHNOLOGY DEVELOPMENT						
61	63258F	COMMON STRATEGIC ROTARY LAUNCHER	3	62,850	69,304	74,250	98,000	U
62	63311F	ADVANCED STRATEGIC MISSILE SYSTEMS	3	74,250	98,000	173,934	215,580	U
63	63312F	ADVANCED CONCEPTS	3	45,843	45,843	14,768	24,000	U
64	63314F	STRATEGIC LASER SYSTEMS TECHNOLOGY	3	14,768	24,000	78,958	200,106	U
65	63319F	ADVANCED TECHNOLOGY CRUISE MISSILE	3	10,832	11,128	10,912	10,968	U
66	63364F	SRAM 11	3	14,563	4,908	4,978	4,978	U
67	63424F	MSL SURVEILLANCE TECH	3	10,912	10,968	8,036	8,036	U
68	63425F	ADVANCED WARNING SYSTEMS	3	737,200	465,000	367,438	367,438	U
69	63428F	SPACE SURVEILLANCE TECHNOLOGY	3	737,200	465,000	367,438	367,438	U
70	63716F	ATMOSPHERIC SURVEILLANCE TECH	3	737,200	465,000	367,438	367,438	U
71	63735F	WMMCS ARCHITECTURE	3	737,200	465,000	367,438	367,438	U
72	64221F	SPECIAL IMPROVEMENT PROJECTS	3	737,200	465,000	367,438	367,438	U
73	64226F	B-1B	3	737,200	465,000	367,438	367,438	U
74	64233F	TANKER TRANSPORT BOMBER TRNG SYS	3	737,200	465,000	367,438	367,438	U
75	64234F	COMMON STRATEGIC ROTARY LAUNCHER	3	737,200	465,000	367,438	367,438	U
76	64312F	ICBM MODERNIZATION	3	737,200	465,000	367,438	367,438	U
77	64326F	STRAT CONV STANDOFF CAPA(SCSC)	3	737,200	465,000	367,438	367,438	U
78	64361F	AIR LAUNCHED CRUISE MISSILE	3	737,200	465,000	367,438	367,438	U
79	64406F	SPACE DEFENSE SYS	3	737,200	465,000	367,438	367,438	U

UNCLASSIFIED

PAGE F-4

UNCLASSIFIED

DEPARTMENT OF THE AIR FORCE
FY 1986 R D T & E PROGRAM

APPROPRIATION: 3600 F RESEARCH DEVELOPMENT TEST + EVAL, AF

EXHIBIT R-1

DATE: 04 FEB 1985

PROGRAM LINE ELEMENT NO NUMBER	ITEM NOMENCLATURE	ACT ---	THOUSANDS OF DOLLARS		
			FY 1984	FY 1985	FY 1986
80 64711F	SYSTEMS SURVIVABILITY (NUC AFFECTS)	3	11,703	9,055	7,927
81 11113F	B-52 SQUADRONS	3	68,723	22,167	16,047
82 11120F	ADVANCED CRUISE MISSLE	3			
83 11136F	AIRCRAFT SURVIVABILITY ENHANCEMENTS	3			
84 11142F	KC-135 SQUADRONS	3	6,714	4,010	968
85 11213F	MINUTEMAN SQUADRONS	3	4,907	4,672	31,203
86 11312F	PACCS/WWABNCP SYS EC-135 CL V MODS	3	4,455	799	5,163
87 11316F	SAC COMMUNICATIONS	3	12,566	3,046	10,625
88 12310F	NCMC - TW/AA SYSTEMS	3	21,213	23,834	57,445
89 12311F	NCMC - SPACE DEFENSE SYSTEMS	3	46,964	37,441	72,996
90 12313F	BALLISTIC MSL TAC WNG/ATK ASSES SYS	3	1,875	3,214	2,655
91 12323F	TW/AA INTERFACE NETWORK	3			
92 12325F	J0INT SURVEILLANCE SYSTEM	3	762	1,802	3,069
93 12411F	SURVEILL RADAR STATIONS/SITES	3	5,256	3,514	2,997
94 12412F	DEW RADAR STATIONS	3	26,822	46,000	20,215
95 12417F	C0NUS OVER-THE-HORIZN RADAR	3	96,875	60,890	67,457
96 12423F	BALLISTIC MSL EARLY WNG SYSTEM	3	12,599	10,016	12,966
97 12424F	SPACETRACK	3	4,995	10,214	9,613
98 12431F	DEFENSE SUPPORT PROGRAM	3	47,228	63,985	79,592
99 12432F	SLBM RADAR WARNING SYSTEMS	3	3,719	12,219	8,235
100 12433F	INTEGRATED OPER NUDETS DETECT SYS	3	32,170	34,795	20,638
					4,084

PAGE F-5

UNCLASSIFIED

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DEPARTMENT OF THE AIR FORCE
FY 1986 R D T & E PROGRAM

APPROPRIATION: 3600 F RESEARCH DEVELOPMENT TEST + EVAL, AF

EXHIBIT R-1

DATE: 04 FEB 1985

PROGRAM	LINE ELEMENT NO NUMBER	ITEM NOMENCLATURE	THOUSANDS OF DOLLARS			
			ACT	FY 1984	FY 1985	FY 1986
101	12436F	COMD CTR PROCESS/DISPLAY SYS	3	2,966	11,661	14,807
102	12822F	LEO	3			23,888 U
103	32015F	NEACP/E-4B CL V MODS	3	20,427	27,057	U
104	33131F	MINIMUM ESSENTIAL EMER COMM NETWORK	3	111,750	111,811	97,199
105	33152F	WMMCCS INFORMATION SYSTEM	3			8,100
106	33154F	WMMCCS INFORMATION SYSTEM - JPMG	3	25,005	32,629	86,721
107	33601F	MILSTAR SAT COMM SYS (AF TERMINALS)	3	164,040	123,197	132,095
108	33603F	MILSTAR COMM SAT SYSTEM	3	148,409	325,042	345,896
109	35155F	THEATER NUC WPN STORAGE&SEC SYS	3	2,153	1,958	1,045
110	35158F	SATELLITE DATA SYSTEM	3			7,548
111	35172F	BERNIE	3			
112	35892F	SPECIAL ANALYSIS ACTYS	3			
		STRATEGIC PROGRAMS	3	5,514,054	5,766,039	5,743,785
						6,283,962
113	63230F	ADVANCED TACTICAL FIGHTER	4	34,125	94,287	242,852
114	63239F	ADV TACTICAL AIR RECONNAISSANCE SYS	4		1,500	20,339
115	63244F	ACFT NON-NUCLEAR SURVIVABILITY	4	2,667		
116	63249F	NIGHT ATTACK PROGRAM	4	3,711		
117	63256F	JNT SERVICE ADV VERT LIFT ACFT (JVX)	4			
118	63307F	AIR BASE SURVIVABILITY & RECOVERY	4	3,774	4,426	6,178
119	63320F	LOW COST SEEKER	4		3,000	17,613
120	63437F	HAVE DJINN	4			17,624 U

UNCLASSIFIED

PAGE F-6

UNCLASSIFIED

DEPARTMENT OF THE AIR FORCE
FY 1986 R D T & E PROGRAM

APPROPRIATION: 3600 F RESEARCH DEVELOPMENT TEST + EVAL, AF

EXHIBIT R-1

DATE: 04 FEB 1985

PROGRAM LINE ELEMENT NO	ITEM NOMENCLATURE	ACT	THOUSANDS OF DOLLARS		
			FY 1984	FY 1985	FY 1986
121 63609F	ADV ATTACK WEAPONS	4	8,000	19,113	15,947 U
122 63714F	DOD PHYSICAL SECURITY EQ-EXTERIOR	4	3,601	1,665	1,010 E
123 63716F	ELECTRONIC WARFARE TECHNOLOGY	4	20,136		999 U
124 63726F	FIBER OPTICS DEVELOPMENT	4	2,702		U
125 63727F	ADVANCED COMMUNICATIONS TECHNOLOGY	4	3,824		U
126 63742F	COMBAT IDENTIFICATION TECHNOLOGY	4	13,060	15,376	8,763 U
127 63745F	CHEMICAL WARFARE DEFENSE	4	5,494		U
128 63749F	C3CM ADVANCED SYSTEMS	4	990	500	3,463 U
129 63770F	JT SURV. TGT ATK RADAR SYS(JSTARS)	4	3,318	3,200	6,681 U
130 63801F	SPECIAL PROGRAMS	4			U
131 64201F	ACFT AVIONICS EQUIPMENT DEVELOPMENT	4	18,385	19,979	29,397 U
132 64209F	F-100 DURABILITY	4	35,200	14,003	2,699 U
133 64212F	AIRCRAFT EQUIPMENT DEV	4	5,611	6,000	8,779 U
134 64218F	ENGINE MODEL DERIVATIVE PROG	4	57,853	82,698	122,854 U
135 64219F	INTEGRATED DIGITAL AVIONICS	4			99,009 U
136 64220F	EW COUNTER RESPONSE	4	11,763		19,598 U
137 64222F	NUCLEAR WEAPONS SUPPORT	4	27,462	14,000	37,193 U
138 64223F	ALTERNATE FIGHTER ENGINE	4	1,912	1,947	2,035 U
139 64231F	C-17 PROGRAM	4	91,965	54,943	33,363 U
140 64232F	PAVE RUNNER	4	25,705	123,285	453,681 U
141 64236F	INFRARED SEARCH & TRACK SYS	4			624,796 U
				23,657	35,377 U
					UNCLASSIFIED
					PAGE F-7

UNCLASSIFIED

DEPARTMENT OF THE AIR FORCE
FY 1986 R D T & E PROGRAM

EXHIBIT R-1

APPROPRIATION: 3600 F RESEARCH DEVELOPMENT TEST + EVAL, AF

PROGRAM LINE ELEMENT NO NUMBER	ITEM NOMENCLATURE	ACT	FY 1984	FY 1985	FY 1986	FY 1987 C E
						\$
142	64247F MODULAR AUTOMATIC TEST EQUIPMENT	4	15,765	11,851	9,962	33,556 U
143	64249F NIGHT PRECISION ATTACK	4	58,092	98,338	40,849	44,657 U
144	64268F ACFT ENGINE COMPONENT IMPROVE PROG	4	125,280	148,115	138,574	133,994 U
145	64313F T-46A	4	122,174	77,977	54,287	11,348 U
146	64314F ADV MED RANGE AIR-TO-AIR MSL	4	190,652	209,749	101,382	1,070 U
147	64315F ADVANCED SRAAM	4				392 U
148	64321F JOINT TACTICAL FUSION PROGRAM	4	5,659	17,787	26,920	25,196 U
149	64324F JOINT TACTICAL MISSILE SYSTEM	4	9,491			U
150	64362F GRD LAUNCHED CRUISE MSL	4	36,067	16,654	885	490 U
151	64601F C/B DEFENSE EQUIPMENT	4	20,092	18,221	22,488	34,795 U
152	64602F ARMAMENT ORDNANCE DEVELOPMENT	4	18,424	18,764	17,563	24,339 U
153	64604F SUBMUNITIONS	4		36,322	43,910	13,217 U
154	64607F WIDE-AREA ANTI-ARMOR MUNITION	4	23,170	19,927	15,811	35,541 U
155	64608F CLOSE AIR SUPPORT WEAPONS SYSTEM	4	1,500			U
156	64617F AIR BASE SURVIVABILITY & RECOVERY	4	7,567	11,592	21,900	26,751 U
157	64703F AEROMEDICAL SYSTEMS DEVELOPMENT	4	3,774	7,007	8,049	14,083 U
158	64706F LIFE SUPPORT SYSTEM	4	12,980	13,573	16,779	22,685 U
159	64708F OTHER OPERATIONAL EQUIPMENT	4	11,576	21,835	17,087	18,934 U
160	64710F RECONNAISSANCE EQUIPMENT	4	10,901	8,780	7,820	13,748 U
161	64715F DOD PHYSICAL SECURITY EQ-EXTERIOR	4	14,851	17,562	16,733	19,581 U
162	64724F TAC C3 COUNTER-MEASURES	4	27,554	23,800	17,441	26,496 U

PAGE F-8

UNCLASSIFIED

UNCLASSIFIED

**DEPARTMENT OF THE AIR FORCE
FY 1986 R D T & E PROGRAM**

APPROPRIATION: 3600 F RESEARCH DEVELOPMENT TEST + EVAL, AF

EXHIBIT R-1

DATE: 04 FEB 1985

PROGRAM LINE ELEMENT NO NUMBER	ITEM NOMENCLATURE	ACT	THOUSANDS OF DOLLARS		
			FY 1984	FY 1985	FY 1986
163	64725F COMBAT IDENTIFICATION SYSTEMS	4	23,485	16,046	13,164
164	64733F SURFACE DEF SUPPRESSION	4	9,405	17,000	54,980
165	64737F AIRBORNE SELF-PROTECTION JAMMER	4	41,679	25,000	11,220
166	64738F PROTECTIVE SYSTEMS	4	50,343	46,568	65,792
167	64739F TACTICAL PROTECTIVE SYSTEMS	4	34,674	39,000	75,709
168	64740F COMPUTER RESOURCES MGT TECH	4	6,197	9,358	14,011
169	64742F PRECISION LOCATION STRIKE SYSTEM	4	72,927	79,096	63,081
170	64750F INTELLIGENCE EQUIPMENT	4	14,195	15,255	13,481
171	64753F COMBAT HELICOPTER MODERNIZATION	4	35,672	34,306	14,100
172	64754F JT TAC INFO DIST SYS	4	45,540	86,511	91,675
173	64756F SIDE LOOKING AIRBORNE RADAR (SLAR)	4	26,939	24,547	20,667
174	64770F JSTARS	4	40,991	46,682	260,221
175	64779F JT INTEROPERABILITY TAC CMD/CNTRL	4	5,940	13,452	9,141
176	11133F SR-71 SQUADRONS	4			10,017 U
177	27129F F-111 SQUADRONS	4	74,245	60,000	54,535
178	27130F F-15 SQUADRONS	4	110,005	189,692	252,142
179	27131F A-10 SQUADRONS	4	3,639	3,108	3,102
180	27132F FIGHTER DERIVATIVE	4	17,415		U
181	27133F F-16 SQUADRONS	4	98,637	94,628	94,859
182	27136F F-4G WILD WEASEL SQUADRONS	4	37,070	55,267	36,707
183	27137F CONSTANT HELP	4			12,600 U

PAGE F-9

UNCLASSIFIED

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DEPARTMENT OF THE AIR FORCE
FY 1986 RDT & E PROGRAM

APPROPRIATION: 3600 F RESEARCH DEVELOPMENT TEST + EVAL, AF

EXHIBIT R-1

DATE: 04 FEB 1985

PROGRAM ELEMENT NO NUMBER	ITEM NOMENCLATURE	THOUSANDS OF DOLLARS			
		ACT	FY 1984	FY 1985	FY 1986
184	27162F TACTICAL AGM MISSILES	4	2,965	2,000	3,926
185	27163F ADV MED RANGE A/A MSL (PROCUREMENT)	4			18,160 U
186	27215F TR-1 SQUADRONS	4			6,166 U
187	27247F AIR FORCE TENCAP	4	271	260	250
188	27411F OVERSEAS AIR WEAPON CONT SYS	4	3,280	3,154	3,068
189	27412F TACTICAL AIR CONTROL SYSTEM	4	8,553	24,339	20,075
190	27417F AIR BORNE WARNING & CONTROL SYS	4	75,350	74,522	137,302
191	27419F TACTICAL AIRBORNE CMD & CONTROL SYS	4			8,151 U
192	27423F ADV COMM SYS	4	38,417	86,805	123,785
193	27431F TAC AIR INTELL SYS ACTYS	4	1,439	579	2,191
194	27435F TACTICAL RECON IMAGERY EXPLOITATION	4			2,778 U
195	27584F SEEK AXLE	4			745 U
196	27585F SEEK SPINNER	4		38,274	
197	27591F OMEGA	4			
198	27595F BASE COMM - TACTICAL AIR FORCES	4	476	985	899
199	28010F JT TACTICAL COMM PROG (TRI-TAC)	4	20,573	10,000	4,947
200	28041F JOINT ADVANCED SYSTEMS	4			4,338 U
201	28042F HAVE FLAG	4			
202	33605F SATELLITE COMMUNICATIONS TERMINALS	4	2,860	7,569	2,937 U

UNCLASSIFIED

PAGE F-10

UNCLASSIFIED

DEPARTMENT OF THE AIR FORCE
FY 1986 R D T & E PROGRAM

APPROPRIATION: 3600 F RESEARCH DEVELOPMENT TEST + EVAL, AF

EXHIBIT R-1
DATE: 04 FEB 1985

PROGRAM LINE ELEMENT NO NUMBER	ITEM NOMENCLATURE	ACT	FY 1984	FY 1985	FY 1986	THOUSANDS OF DOLLARS
203 35687F	ELECTRONIC COMBAT INTEL SPT	4	1,822	1,928	1,593	-----
204 41115F	C-130 AIRLIFT SQUADRONS (IF)	4	789			1,812 U
205 41116F	C-141 AIRLIFT SQUADRONS (IF)	4		3,118		U
206 41119F	C-5 AIRLIFT SQUADRONS (IF)	4		3,694		U
207 41129F	THEME CASTLE	4				U
208 41840F	MAC COMMAND/CONTROL SYS	4	3,227	3,413	11,441	8,042 U
209 44011F	SPECIAL OPERATIONS FORCES	4			13,993	20,756 U
	TACTICAL PROGRAMS		2,284,626	2,729,466	3,792,137	3,990,048
210 63431F	SPACE COMMUNICATIONS	6	38,625	42,390	45,012	44,450 U
211 64238F	CONSTANT PISCES	6				
212 64778F	NAVSTAR GPS USER EQUIPMENT	6	91,447	57,617		U
213 27582F	HAVE TRUMP	6				
214 31305F	INTELLIGENCE PRODUCTION ACTIVITIES	6				
215 31310F	FOREIGN TECHNOLOGY DIVISION	6				
216 31314F	INFRARED PROCESSING + EXPLOITATION	5				
217 31315F	MISSILE AND SPACE TECH COLLECTION	5				
218 31317F	SENIOR YEAR OPERATIONS	6				
219 31324F	FOREST GREEN	6				
220 31357F	INTEG OPERATIONAL NUDETS DETECT SYS	5				
221 32053F	NMCS-WIDE SUPPORT-COMMUNICATIONS	6	34,936	31,599	3,200	U
222 33110F	DEF SATELLITE COMM SYS	6			6,930	15,214 U

PAGE F-11

UNCLASSIFIED

UNCLASSIFIED

DEPARTMENT OF THE AIR FORCE
FY 1986 R D T & E PROGRAM

APPROPRIATION: 3600 F RESEARCH DEVELOPMENT TEST + EVAL, AF

EXHIBIT R-1
DATE: 04 FEB 1985

PROGRAM LINE ELEMENT NO	ITEM NOMENCLATURE	ACT	FY 1984	FY 1985	FY 1986	FY 1987	E
			---	---	---	---	
223	33112F AIR FORCE COMMUNICATIONS	5			978	1,077	U
224	33126F LONG-HAUL COMMUNICATIONS (DCS)	5	8,323	9,329	11,543	11,716	U
225	33144F ELECTROMAG COMPATIBILITY ANAL CTR	5	7,104	6,864	7,191	7,670	U
226	33401F COMMUNICATIONS SECURITY	5	1,527	1,447			
227	34111F SPECIAL ACTIVITIES	5					
228	35114F TRAFFIC CNTRL/APPROACH/LANDING SYS	5	6,095	10,370	29,517	62,157	U
229	35159F DEFENSE RECON SUPPORT ACTIVITIES	5					
230	35164F NAVSTAR GLOBAL POS SYS (USER EQ)	5	6,709	9,060	28,691	22,710	U
231	35165F NAVSTAR GPS (SPACE/GRD SEGMENTS)	5	25,243	33,464	48,527	24,139	U
232	84733F GEN INTELLIGENCE SKILL TNG	5	2,846	5,208	5,300	6,895	U
	INTELLIGENCE AND COMMUNICATIONS		1,894,631	1,848,626	2,382,832	2,324,534	
233	63248F CONCEPT DEVELOPMENT	6	3,985	1,000	3,028	3,114	U
234	63257F ADVANCED CIVIL-MILITARY ACFT	6				1,077	U
235	63401F ADVANCED SPACECRAFT TECH	6	6,283				U
236	63402F SPACE TEST PROGRAM	6	74,355	71,500	70,434	74,816	U
237	63438F SATELLITE SYS SURVIVABILITY	6	29,511	5,519	4,273	5,488	U
238	63707F WEATHER SYSTEMS	6	3,433				U
239	64211F ADV AERIAL TARGETS DEV	6	10,078	3,409	13,505	12,719	U
240	64227F FLIGHT SIMULATOR DEVELOPMENT	6	26,379	138,000	155,315	115,231	U
241	64237F VARIABLE IN-FLT TEST ACFT (VISTA)	6			391	8,812	U
242	64411F SPACE SHUTTLE	6	332,104	337,000	132,007	39,150	U

PAGE F-12

UNCLASSIFIED

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DEPARTMENT OF THE AIR FORCE
FY 1986 RDT&E PROGRAM

APPROPRIATION: 3600 F RESEARCH DEVELOPMENT TEST + EVAL, AF

EXHIBIT R-1

DATE: 04 FEB 1985

PROGRAM LINE ELEMENT NO	ITEM NUMBER	ITEM NOMENCLATURE	ACT	THOUSANDS OF DOLLARS		
				FY 1984	FY 1985	FY 1986
243	64609F	LOGISTICS TECH FOR WEAPONS SYSTEMS	6	2,845	7,585	6,780
244	64707F	WEATHER SYSTEMS	6	9,313	7,283	13,078
245	64735F	RANGE IMPROVEMENT	6	17,716	15,552	62,166
246	64747F	ELECTROMAG RADIATION TEST FACIL	6	7,130	6,911	3,376
247	64755F	IMPROVED CAPABILITY FOR RDT+E	6	62,700	70,754	46,417
248	65101F	PROJECT AIR FORCE	6	17,876	16,768	17,445
249	65304F	ACQ/COMD SPT - TELECOM	6	7,945	7,137	6,550
250	65306F	RANCH HAND II EPIDEMIOLOGY STUDY	6	5,027	3,308	4,696
251	65502F	SMALL BUSINESS INNOVATION DEV	6	20,280		U
252	65708F	NAV/RADAR/SLED TRACK TEST SPT	6	53,938	17,649	28,319
253	65806F	ACQUISITION AND COMMAND SUPPORT	6	321,728	333,269	366,620
254	65807F	TEST AND EVALUATION SPT	6	396,947	412,150	431,594
255	65808F	ADV SYS ENGINEERING/PLAN	6	2,663	2,500	3,895
256	65883F	RDT&E AIRCRAFT SUPPORT	6		47,511	59,820
257	658872F	PRODUCTIVITY INVESTMENTS	6		1,980	3,000
258	658874F	PRODUCT PERFORMANCE AGMT CNTR(PPAC)	6			7,009
259	65890F	AUDIOVISUAL ACTIVITIES - R & D	6	6,295		975
260	35110F	satellite control facility	6	71,725	93,000	83,122
261	35119F	SPACE BOOSTERS	6	15,441	15,356	221,393
262	35130F	CONSOLIDATED SPACE OPERATIONS CENTER	6	65,173	65,698	87,415
263	35160F	DEF METEOROLOGICAL SATELLITE PROG	6	22,971	42,552	71,309

PAGE F-13

UNCLASSIFIED

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DEPARTMENT OF THE AIR FORCE
FY 1986 R D T & E PROGRAM

APPROPRIATION: 3600 F RESEARCH DEVELOPMENT TEST + EVAL, AF

EXHIBIT R-1

DATE: 04 FEB 1985

PROGRAM LINE ELEMENT NO NUMBER	ITEM NOMENCLATURE	THOUSANDS OF DOLLARS			
		ACT	FY 1984	FY 1985	FY 1986
264 35171F	SPACE LAUNCH SUPPORT	6	34,880	93,835	79,232
265 71112F	INVENTORY CONTROL POINT OPERATIONS	6		1,000	4,034
266 72207F	DEPOT MAINTENANCE (NON-IF)	6			489
267 78011F	INDUSTRIAL PREPAREDNESS	6	49,005	56,000	104,540
268 78019F	UTAH TESTING + TRAINING RANGE	6	2,207		
269 78026F	PRODUCT/RELIABLE/AVAIL/MAINTAIN PROG	6	12,646	13,865	17,365
270 78031F	LOGISTICS C3I SYSTEM	6			9,933
271 91212F	SERVICE-WIDE SUPPORT	6			196
272 91215F	PRODUCTIVITY INVESTMENTS	6			978
273 92998F	MANAGEMENT HQS- ADP SUPPORT (AF)	6			5,200
274 01004F	INTERNATIONAL ACTIVITIES	6	2,857	2,842	2,894
	DEFENSEWIDE MISSION SUPPORT		1,697,427	1,897,151	2,120,562
					2,173,466
TOTAL	RESEARCH DEVELOPMENT TEST + EVAL, AF		12,275,206	13,506,247	15,578,500
					16,573,094

PAGE F-14

UNCLASSIFIED

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DEFENSE AGENCIES
FY 1986 R D T & E PROGRAM

EXHIBIT R-1

DATE: 04 FEB 1985

SUMMARY

	FY 1984	FY 1985	FY 1986	FY 1987
	THOUSANDS OF DOLLARS			
SUMMARY RECAP OF RESEARCH CATEGORIES				
RESEARCH				
EXPLORATORY DEVELOPMENT	113,680	82,501	100,631	112,521
ADVANCED DEVELOPMENT	753,546	748,334	870,436	982,240
ENGINEERING DEVELOPMENT	360,458	1,617,512	3,949,419	5,177,203
MANAGEMENT AND SUPPORT	7,628	5,981	3,092	2,385
RESEARCH AND DEVELOPMENT (FYDP PROGRAM 6)	101,405	107,629	118,638	137,636
OPERATIONAL SYSTEMS DEVELOPMENT				
TOTAL RESEARCH DEVELOPMENT TEST + EVAL, DEF AGENCIES	1,326,717	2,559,957	6,040,616	6,411,987
1,442,703	1,878,370	2,013,284	1,978,133	--
TOTAL RESEARCH DEVELOPMENT TEST + EVAL, DEF AGENCIES	2,769,420	4,236,327	7,053,900	8,390,100
SUMMARY RECAP OF BUDGET ACTIVITIES				
TECHNOLOGY BASE	867,226	828,140	970,292	1,082,807
ADVANCED TECHNOLOGY DEVELOPMENT	337,184	1,602,744	3,914,536	5,129,236
STRATEGIC PROGRAMS	77,701	73,523	94,150	92,401
INTELLIGENCE AND COMMUNICATIONS	2,050	2,130	75,707	81,482
DEFENSEWIDE MISSION SUPPORT	1,380,699	1,619,315	1,879,733	1,848,242
TOTAL RESEARCH DEVELOPMENT TEST + EVAL, DEF AGENCIES	104,680	110,475	123,483	145,983
TOTAL RESEARCH DEVELOPMENT TEST + EVAL, DEF AGENCIES	2,769,420	4,236,327	7,053,900	8,390,100
SUMMARY RECAP OF FYDP PROGRAMS				
GENERAL PURPOSE FORCES	2,080	2,130	75,707	81,452
INTELLIGENCE AND COMMUNICATIONS	1,437,488	1,871,394	1,830,932	1,888,386
RESEARCH AND DEVELOPMENT (FYDP PROGRAM 6)	1,326,717	2,559,957	6,040,616	6,411,987
CENTRAL SUPPLY AND MAINTENANCE			5,000	6,500
SUPPORT OF OTHER NATIONS	3,188	1,927	1,846	1,825
TOTAL RESEARCH DEVELOPMENT TEST + EVAL, DEF AGENCIES	--	--	--	--
TOTAL RESEARCH DEVELOPMENT TEST + EVAL, DEF AGENCIES	2,769,420	4,236,327	7,053,900	8,390,100
SUMMARY RECAP OF DEFENSE AGENCIES				
DEFENSE MAPPING AGENCY	130,142	1,397,293	3,722,184	4,908,287
STRATEGIC DEFENSE INITIATIVE ORGANIZATION	50,000	85,191	161,542	184,989
DEPARTMENT OF DEFENSE (OSD AND GADS)	47,880	696,085	776,347	915,842
DEFENSE ADVANCED RESEARCH PROJECTS AGENCY	863,429	863	--	--
NATIONAL SECURITY AGENCY				
DEFENSE NUCLEAR AGENCY	320,838	353,889	384,361	393,886
DEFENSE RECONNAISSANCE SUPPORT PROGRAM	318,186	354,620	268,236	243,352
DEFENSE COMMUNICATIONS AGENCY	103,782	95,819	123,167	123,352
DEFENSE INTELLIGENCE AGENCY				
DEFENSE LOGISTICS AGENCY	23	25,083	33,208	39,374
UNIFORMED SERVICES UNIVERSITY HEALTH SCIENCES	1,767	1,801	1,981	2,121
TOTAL RESEARCH DEVELOPMENT TEST + EVAL, DEF AGENCIES	2,769,420	4,236,327	7,053,900	8,390,100

UNCLASSIFIED

DEFENSE AGENCIES
FY 1986 R D T & E PROGRAM

APPROPRIATION: 0400 D RESEARCH DEVELOPMENT TEST + EVAL, DEF AGENCIES

EXHIBIT R-1
DATE: 04 FEB 1985

PROGRAM LINE ELEMENT NO NUMBER	ITEM NOMENCLATURE	ACT	THOUSANDS OF DOLLARS		
			FY 1984	FY 1985	FY 1986
1 61101E	DEFENSE RESEARCH SCIENCES	1	111,913	80,700	92,600
2 61101W	IN-HOUSE LAB INDEPENDENT RESEARCH	1	1,767	1,801	1,981
3 61103E	UNIVERSITY RESEARCH	1			6,250
4 62101E	TECHNICAL STUDIES	1	1,200	1,500	1,800
5 62107E	THIRD GENERATION DEFENSE TECHNOLOGY	1	6,840		
6 62301E	STRATEGIC TECHNOLOGY	1	207,734	165,750	254,400
7 62702E	TACTICAL TECHNOLOGY	1	103,436	107,400	102,000
8 62707E	PARTICLE BEAM TECHNOLOGY	1	30,900	17,400	21,500
9 62708E	INTEGRATED COMD/CONTROL TECH	1	43,519	53,000	53,000
10 62712E	MATERIALS PROCESSING TECH	1	24,634	28,200	33,000
11 62714E	NUCLEAR MONITORING	1	14,447	18,500	19,400
12 62715H	DEFENSE NUCLEAR AGENCY	1	320,836	353,889	384,361
	TECHNOLOGY BASE		867,226	828,140	970,282
13 63220C	SURVEILLANCE, ACQSN, TRACK & KILL ASSESSMENT	2	10,000	545,950	1,386,344
14 63221C	DIRECTED ENERGY WEAPONS	2	9,500	376,399	965,441
15 63222C	KINETIC ENERGY WEAPONS	2	10,000	255,950	859,724
16 63223C	SYSTEMS CONCEPTS AND BATTLE MANAGEMENT	2	10,000	99,000	243,300
17 63224C	SURVIVABILITY, LETHALITY & KEY SPT TECHNOLOGY	2	10,000	112,000	258,153
18 63225D	JOIN DOD-DOE MUNITIONS TECH DEV	2		4,994	8,413
19 63226E	EXP EVAL OF MAJOR INNOVATIVE TECH	2	261,456	193,505	175,249
20 63702D	SPECIAL TECHNOLOGY OFFICE/USDR&E	2	4,700	7,941	4,177

UNCLASSIFIED

PAGE D-1-*cl*

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UNCLASSIFIED

DEFENSE AGENCIES
FY 1986 R D T & E PROGRAM

APPROPRIATION: 0400 D RESEARCH DEVELOPMENT TEST + EVAL, DEF AGENCIES

EXHIBIT R-1

DATE: 04 FEB 1985

PROGRAM LINE ELEMENT NO NUMBER	ITEM NOMENCLATURE	ACT	FY 1984	FY 1985	FY 1986	FY 1987	E
						THOUSANDS OF DOLLARS	
21 63703D	COUNTER INSURGENCY & SPECIAL TECHNOLOGY	2		4,994	11,421	12,781	U
22 35108K	COMMAND AND CONTROL RESEARCH	2	1,528	2,011	2,313	2,799	U
	ADVANCED TECHNOLOGY DEVELOPMENT		337,184	1,602,744	3,914,535	5,129,235	
23 63734K	ISLAND SUN	3			17,000	38,000	U
24 63735K	WMMCCS ARCHITECTURE	3	1,227				U
25 32016K	NMCS-WIDE SUPPORT	3	18,028	28,419	43,498	28,752	U
26 32017K	WMMCCS ADP- JTSA	3	7,613	1,493			U
27 32019K	WMMCCS SYSTEM ENGINEER	3	38,220	29,252	21,254	17,206	U
28 33131K	MINIMUM ESSENTIAL EMER COMM NETWORK	3	12,613	14,359	12,398	11,443	U
	STRATEGIC PROGRAMS		77,701	73,523	94,150	92,401	
29 21135K	CINC C2 INITIATIVES	4	2,050	2,130	2,083	2,169	U
30 28045D	C3 INTEROPERABILITY (JOINT TACTICAL C3 AGENCY)	4			72,152	77,813	U
31 28298D	MANAGEMENT HEADQUARTERS (JTC3A)	4			1,472	1,470	U
	TACTICAL PROGRAMS		2,050	2,130	75,707	81,482	
32 62716B	MAP/CHART/GEODESY	5		695	975	1,954	U
33 63701B	MAP/CHART/GEODESY INV/PROTOTYPE DEV	5	13,575	16,779	20,197	15,767	U
34 64701B	MAP/CHART/GEODESY ENGR DEV/TEST	5	7,828	5,961	3,092	2,365	U
35 31011G	CRYPTOLOGIC ACTIVITIES	5					
36 31301L	GENERAL DEFENSE INTELLIGENCE PROGRAM	5					

PAGE D-2

UNCLASSIFIED

UNCLASSIFIED

APPROPRIATION: 0400 D RESEARCH DEVELOPMENT TEST + EVAL, DEF AGENCIES
 FY 1986 R D T & E PROGRAM

EXHIBIT R-1

DATE: 04 FEB 1985

PROGRAM LINE ELEMENT NO NUMBER	ITEM NOMENCLATURE	ACT			THOUSANDS OF DOLLARS		
		FY 1984	FY 1985	FY 1986	FY 1987	E	
37 31398L	MANAGEMENT HEADQUARTERS GDIP	5					
38 33126K	LONG-HAUL COMMUNICATIONS (DCS)	5	19,480	10,181	18,935	20,199	U
39 33127K	SUPPORT OF THE NCS	5	3,023	7,974	5,686	5,784	U
40 33401G	COMMUNICATIONS SECURITY	5					
41 35139B	DMA EXPLOITATION PROGRAM	5					
42 35159B	DEFENSE RECONNAISSANCE SUPPORT ACTIVITIES	5	108,938	11,288	9,750		
43 35159G	DEF RECONNAISSANCE ACTIVITIES	5					
44 35159I	DEFENSE RECONNAISSANCE SUPPORT ACTIVITIES	5					
45 35167G	COMPUTER SECURITY	5	318,186	354,620	268,235		
46 35684L	INTEL PLAN AND REVIEW ACTYS	5					
47 35685G	TACTICAL CRYPTOLOGIC ACTIVITIES	5					
	INTELLIGENCE AND COMMUNICATIONS	5	1,380,698	1,619,315	1,875,733	1,848,242	
48 65104D	TECHNICAL SUPPORT TO USDR/E	6	27,470	28,633	23,593	27,942	U
49 65106D	GENERAL SUPPORT FOR PA/E	6	1,959	2,198	3,488	5,351	U
50 65107D	SUPPORT TO POLICY	6	3,905	5,993	6,445	9,867	U
51 65108D	GENERAL SUPPORT FOR NET ASSESSMENT	6	3,621	3,797	4,032	5,463	U
52 65109D	GENERAL SUPPORT FOR MRA/L	6	2,350	2,825	3,117	4,433	U
53 65110D	CRITICAL TECHNOLOGY	6	2,597	2,792	3,724		
54 65112D	TECHNICAL ANALYTICAL SUPPORT	6					
55 65112E	TECHNICAL ANALYTICAL SUPPORT	6					
56 65113D	TAPISTRY	6	700	300	2,793	2,940	U

PAGE D-3

UNCLASSIFIED

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DEFENSE AGENCIES

FY 1986 R D T & E PROGRAM

APPROPRIATION: 0400 D RESEARCH DEVELOPMENT TEST + EVAL, DEF AGENCIES

EXHIBIT R-1

DATE: 04 FEB 1985

PROGRAM LINE ELEMENT NO NUMBER	ITEM NOMENCLATURE	THOUSANDS OF DOLLARS			
		ACT	FY 1984	FY 1985	FY 1986
57	65114E BLACKLITE	6	4,000	4,000	4,000 U
58	65502E SMALL BUSINESS INNOVATIVE RESEARCH	6	2,000		U
59	65801S DEFENSE TECHNICAL INFO CENTER	6	19,050	17,406	25,824 U
60	65802S INFORMATION ANALYSIS CENTERS	6	4,500	5,750	6,550 U
61	65805E TRI-SERVICE NATL LASER TEST RANGE	6	24,000		U
62	65898C MANAGEMENT HEADQUARTERS SDI	6	500	8,000	9,222 10,002 U
63	65898E MGT HQ (RESEARCH/DEVELOPMENT)	6	11,350	11,430	13,148 13,500 U
64	78011S INDUSTRIAL PREPAREDNESS	6		1,927	5,000 6,500 U
65	01015D TECHNOLOGY TRANSFER FUNCTIONS DEFENSEWIDE MISSION SUPPORT	6	3,185	919	1,645 1,825 U
		104,560	110,475	123,483	145,963
TOTAL	RESEARCH DEVELOPMENT TEST + EVAL, DEF AGENCIES	2,769,420	4,236,327	7,053,900	8,390,100

UNCLASSIFIED

PAGE D-4

UNCLASSIFIED

DEFENSE AGENCIES
FY 1986 R D T & E PROGRAM

EXHIBIT R-1

DATE: 04 FEB 1985

THOUSANDS OF DOLLARS

	FY 1984	FY 1985	FY 1986	FY 1987
SUMMARY RECAP OF RESEARCH CATEGORIES				
MANAGEMENT AND SUPPORT	49,000	59,000	103,500	107,700
RESEARCH AND DEVELOPMENT (FYDP PROGRAM 6)	49,000	59,000	103,500	107,700
TOTAL DIRECTOR OF TEST + EVALUATION, DEFENSE	49,000	59,000	103,500	107,700
SUMMARY RECAP OF BUDGET ACTIVITIES				
DEFENSEWIDE MISSION SUPPORT	49,000	59,000	103,500	107,700
TOTAL DIRECTOR OF TEST + EVALUATION, DEFENSE	49,000	59,000	103,500	107,700
SUMMARY RECAP OF FYDP PROGRAMS				
RESEARCH AND DEVELOPMENT (FYDP PROGRAM 6)	49,000	59,000	103,500	107,700
TOTAL DIRECTOR OF TEST + EVALUATION, DEFENSE	49,000	59,000	103,500	107,700

PAGE D-5

UNCLASSIFIED

UNCLASSIFIED

DEFENSE AGENCIES

FY 1986 R D T & E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0450 D DIRECTOR OF TEST + EVALUATION, DEFENSE

DATE: 04 FEB 1985

PROGRAM LINE ELEMENT NO. NUMBER	ITEM NOMENCLATURE	THOUSANDS OF DOLLARS			
		ACT	FY 1984	FY 1985	FY 1986
1	6511D FOREIGN WEAPONS EVALUATION	6	8,064	12,000	17,010
2	65604D TEST AND EVALUATION	6	40,936	47,000	86,490
	DEFENSEWIDE MISSION SUPPORT		49,000	59,000	103,500
			49,000	59,000	103,500
TOTAL	DIRECTOR OF TEST + EVALUATION, DEFENSE				107,700

UNCLASSIFIED

PAGE D-6

UNCLASSIFIED

DEFENSE MAPPING AGENCY

FY 1986 R D T & E PROGRAM

APPROPRIATION: 0400 D RESEARCH DEVELOPMENT TEST & EVAL DEF AGENCIES

EXHIBIT R-1

DATE: 04 FEB 1985

PROGRAM LINE ELEMENT NO NUMBER	ITEM NOMENCLATURE	THOUSANDS OF DOLLARS		
		ACT	FY 1984	FY 1985
32	62716B MAP/CHART/GEODESY	5	-----	695
33	63701B MAP/CHART/GEODESY INV/PROTOTYPE DEV	5	13,575	16,779
34	64701B MAP/CHART/GEODESY ENGR DEV/TEST	5	7,628	5,981
41	35139B DMA EXPLOTATION PROGRAM	5	-----	3,092
42	35159B DEFENSE RECONNAISSANCE SUPPORT ACTIVITIES INTELLIGENCE AND COMMUNICATIONS	5	108,939 130,142	11,288 9,750
TOTAL	DEFENSE MAPPING AGENCY	-----	130,142	-----

UNCLASSIFIED

PAGE D-7

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STRATEGIC DEFENSE INITIATIVE ORGANIZATION
FY 1986 R D T & E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0400 D RESEARCH DEVELOPMENT TEST & EVAL DEF AGENCIES

DATE: 04 FEB 1985

PROGRAM LINE ELEMENT NO	ITEM NOMENCLATURE	THOUSANDS OF DOLLARS			
		ACT	FY 1984	FY 1985	FY 1986
13	63220C SURVEILLANCE, ACQSN, TRACK & KILL ASSESSMENT	2	10,000	545,950	1,386,344
14	63221C DIRECTED ENERGY WEAPONS	2	9,500	376,398	965,441
15	63222C KINETIC ENERGY WEAPONS	2	10,000	255,950	859,724
16	63223C SYSTEMS CONCEPTS AND BATTLE MANAGEMENT	2	10,000	99,000	243,300
17	63224C SURVIVABILITY, LETHALITY & KEY SPT TECHNOLOGY	2	10,000	112,000	258,153
	ADVANCED TECHNOLOGY DEVELOPMENT	49,500	1,369,299	3,712,962	4,898,295
62	65898C MANAGEMENT HEADQUARTERS SDI	6	500	8,000	9,222
TOTAL	STRATEGIC DEFENSE INITIATIVE ORGANIZATION		50,000	1,397,299	3,722,184
					4,908,297

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PAGE D-8

UNCLASSIFIED

DEPARTMENT OF DEFENSE (OSD AND GASDS)
FY 1986 R D T & E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0400 D RESEARCH DEVELOPMENT TEST & EVAL DEF AGENCIES

DATE: 04 FEB 1985

PROGRAM LINE ELEMENT NO NUMBER	ITEM NOMENCLATURE	FY 1984			FY 1985			FY 1986			FY 1987		
		ACT	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
18 63225D	JOIN DOD-DOE MUNITIONS TECH DEV	2			4,994			8,413			9,237	U	
20 63702D	SPECIAL TECHNOLOGY OFFICE/USDR&E	2	4,700		7,941			4,177			4,581	U	
21 63703D	COUNTER INSURGENCY & SPECIAL TECHNOLOGY	2			4,994			11,421			12,781	U	
	ADVANCED TECHNOLOGY DEVELOPMENT		4,700		17,929			24,011			26,599		
30 28045D	C3 INTEROPERABILITY (JOINT TACTICAL C3 AGCY)	4						72,152			77,813	U	
31 28298D	MANAGEMENT HEADQUARTERS (JTC3A)	4							1,472			1,470	U
	TACTICAL PROGRAMS								73,624			79,283	
48 65104D	TECHNICAL SUPPORT TO USDR/E	6	27,470		28,633			23,593			27,942	U	
49 65106D	GENERAL SUPPORT FOR PA/E	6	1,959		2,198			3,469			5,351	U	
50 65107D	SUPPORT TO POLICY	6	3,905		5,993			6,445			9,867	U	
51 65108D	GENERAL SUPPORT FOR NET ASSESSMENT	6	3,621		3,797			4,032			5,463	U	
52 65109D	GENERAL SUPPORT FOR NRA/L	6	2,350		2,825			3,117			4,433	U	
53 65110D	CRITICAL TECHNOLOGY	6			2,597			2,792			3,724	U	
54 65112D	TECHNICAL ANALYTICAL SUPPORT	6						16,001			17,542	U	
56 65113D	TAPISTRY	6	700		300			2,793			2,940	U	
	UNCLASSIFIED							PAGE	D-9				

L-8

UNCLASSIFIED

DEPARTMENT OF DEFENSE (OSD AND OASDS)
FY 1986 R D T & E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0400 D RESEARCH DEVELOPMENT TEST & EVAL DEF AGENCIES

PROGRAM LINE ELEMENT NO NUMBER	ITEM NOMENCLATURE	ACT ---	FY 1984 ---	FY 1985 ---	FY 1986 ---	FY 1987 ---	THOUSANDS OF DOLLARS -8 E
66 01018D	TECHNOLOGY TRANSFER FUNCTIONS	6	3,155	919	1,645	1,825	U
	DEFENSEWIDE MISSION SUPPORT		43,160	47,262	63,907	79,087	
TOTAL	DEPARTMENT OF DEFENSE (OSD AND OASDS)	47,880	65,191	161,542	184,969		

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PAGE D-10

UNCLASSIFIED

DEFENSE ADVANCED RESEARCH PROJECTS AGENCY
FY 1986 R D T & E PROGRAM

EXHIBIT R-1

DATE: 04 FEB 1985

APPROPRIATION: 0400 D RESEARCH DEVELOPMENT TEST & EVAL DEF AGENCIES

PROGRAM LINE ELEMENT NO	ITEM NOMENCLATURE	ACT	FY 1984	FY 1985	FY 1986	FY 1987	8
							THOUSANDS OF DOLLARS
1 61101E	DEFENSE RESEARCH SCIENCES	1	111,913	80,700	92,800	97,900	U
3 61103E	UNIVERSITY RESEARCH	1			6,250	12,500	U
4 62101E	TECHNICAL STUDIES	1	1,200	1,500	1,800	2,000	U
5 62107E	THIRD GENERATION DEFENSE TECHNOLOGY	1	6,840				U
6 62301E	STRATEGIC TECHNOLOGY	1	207,734	165,750	254,400	315,100	U
7 62702E	TACTICAL TECHNOLOGY	1	103,436	107,400	102,000	130,000	U
8 62707E	PARTICLE BEAM TECHNOLOGY	1	30,900	17,400	21,500	15,500	U
9 62708E	INTEGRATED COMD/CONTROL TECH	1	43,519	53,000	53,000	57,500	U
10 62712E	MATERIALS PROCESSING TECH	1	24,634	28,200	33,000	46,000	U
11 62714E	NUCLEAR MONITORING	1	14,447	18,500	19,400	20,300	U
	TECHNOLOGY BASE	544,623	472,450	583,950	698,800		
19 63226E	EXP EVAL OF MAJOR INNOVATIVE TECH	2	281,456	193,505	175,249	201,542	U
55 65112E	TECHNICAL ANALYTICAL SUPPORT	6		14,700			U
57 65114E	BLACKLITE	6		4,000	4,000	4,000	U
58 65502E	SMALL BUSINESS INNOVATIVE RESEARCH	6	2,000				U
61 65805E	TRI-SERVICE NATL LASER TEST RANGE	6	24,000				U

PAGE D-11

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DEFENSE ADVANCED RESEARCH PROJECTS AGENCY
FY 1986 R D T & E PROGRAM

APPROPRIATION: 0400 D RESEARCH DEVELOPMENT TEST & EVAL DEF AGENCIES

EXHIBIT R-1

DATE: 04 FEB 1985

PROGRAM LINE ELEMENT NO NUMBER	ITEM NOMENCLATURE	THOUSANDS OF DOLLARS			
		ACT	FY 1984	FY 1985	FY 1986
63 65898E	MGT HQ (RESEARCH/DEVELOPMENT)	6	11,350	11,430	13,148
	DEFENSEWIDE MISSION SUPPORT		37,350	30,130	17,148
					13,500 U
					17,500
TOTAL	DEFENSE ADVANCED RESEARCH PROJECTS AGENCY	863,429	696,065	776,347	915,842

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PAGE D-12

UNCLASSIFIED

NATIONAL SECURITY AGENCY
FY 1986 R D T & E PROGRAM

APPROPRIATION: 0400 D RESEARCH DEVELOPMENT TEST & EVAL DEF AGENCIES

EXHIBIT R-1

DATE: 04 FEB 1985

PROGRAM LINE ELEMENT NO NUMBER	ITEM NOMENCLATURE	ACT	FY 1984	FY 1985	FY 1986	FY 1987	E
35 31011G	CRYPTOLOGIC ACTIVITIES						
40 33401G	COMMUNICATIONS SECURITY	5					
43 35159G	DEF RECONNAISSANCE ACTIVITIES		5				
45 35167G	COMPUTER SECURITY			5			
47 35885G	TACTICAL CRYPTOLOGIC ACTIVITIES				5		
	INTELLIGENCE AND COMMUNICATIONS						
TOTAL	NATIONAL SECURITY AGENCY						

PAGE D-13

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DEFENSE NUCLEAR AGENCY
FY 1986 R D T & E PROGRAM

APPROPRIATION: 0400 D RESEARCH DEVELOPMENT TEST & EVAL DEF AGENCIES

EXHIBIT R-1

DATE: 04 FEB 1985

PROGRAM LINE ELEMENT NO	ITEM NOMENCLATURE	THOUSANDS OF DOLLARS		
		ACT ---	FY 1984 ---	FY 1985 -----
12	62715H DEFENSE NUCLEAR AGENCY	1	320, 836	353, 889
TOTAL	DEFENSE NUCLEAR AGENCY		320, 836	353, 889
				384, 361
				393, 886 U
				393, 886

PAGE D-14

UNCLASSIFIED

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DEFENSE RECONNAISSANCE SUPPORT PROGRAM
FY 1986 R D T & E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0400 D RESEARCH DEVELOPMENT TEST & EVAL DEF AGENCIES

DATE: 04 FEB 1985

PROGRAM LINE ELEMENT NO NUMBER	ITEM NOMENCLATURE	THOUSANDS OF DOLLARS			
		ACT	FY 1984	FY 1985	FY 1986
44	351591 DEFENSE RECONNAISSANCE SUPPORT ACTIVITIES	5	318,186	354,620	268,235
TOTAL	DEFENSE RECONNAISSANCE SUPPORT PROGRAM		318,186	354,620	268,235

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PAGE D-15

UNCLASSIFIED

DEFENSE COMMUNICATIONS AGENCY
FY 1986 R D T & E PROGRAM

APPROPRIATION: 0400 D RESEARCH DEVELOPMENT TEST & EVAL DEF AGENCIES

EXHIBIT R-1

DATE: 04 FEB 1985

PROGRAM LINE ELEMENT NO NUMBER	ITEM NOMENCLATURE	PROGRAM			THOUSANDS OF DOLLARS
		ACT	FY 1984	FY 1985	
22 35108K	COMMAND AND CONTROL RESEARCH	2	1,528	2,011	2,313
23 63734K	ISLAND SUN	3			17,000
24 63735K	WMCCS ARCHITECTURE	3	1,227		
25 32016K	NMCCS-WIDE SUPPORT	3	18,028	28,419	43,498
26 32017K	WMCCS ADP-JTSA	3	7,613	1,493	
27 32019K	WMCCS SYSTEM ENGINEER	3	38,220	29,252	21,254
28 33131K	MINIMUM ESSENTIAL EMER COMM NETWORK STRATEGIC PROGRAMS	3	12,613	14,389	12,388
		77,701	73,523	94,150	11,443 U 92,401
29 21138K	CINC C2 INITIATIVES	4	2,050	2,130	2,063
38 33126K	LONG-HAUL COMMUNICATIONS (DCS)	5	19,480	10,181	18,935
39 33127K	SUPPORT OF THE NCS INTELLIGENCE AND COMMUNICATIONS	5	3,023	7,974	5,686
		22,503	18,155	24,821	5,784 U 25,983
TOTAL	DEFENSE COMMUNICATIONS AGENCY	103,782	95,819	123,167	123,352

PAGE D-16

UNCLASSIFIED

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DEFENSE INTELLIGENCE AGENCY
FY 1986 RDT & E PROGRAM

EXHIBIT R-1

DATE: 04 FEB 1985

APPROPRIATION: 0400 D RESEARCH DEVELOPMENT TEST & EVAL DEF AGENCIES

37 31398L MANAGEMENT HEADQUARTERS GDIP
46 35664L INTEL PLAN AND REVIEW ACTYS
INTELLIGENCE AND COMMUNICATIONS

DEFENSE INTELLIGENCE AGENCY

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DEFENSE LOGISTICS AGENCY

FY 1986 R D T & E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0400 D RESEARCH DEVELOPMENT TEST & EVAL DEF AGENCIES

PROGRAM LINE ELEMENT NO	ITEM NUMBER	ITEM NOMENCLATURE	ACT -----	FY 1984 -----	FY 1985 -----	FY 1986 -----	FY 1987 -----
59	65801S	DEFENSE TECHNICAL INFO CENTER	6	19,050	17,406	21,656	25,824 U
60	65802S	INFORMATION ANALYSIS CENTERS	6	4,500	5,750	6,550	7,050 U
64	78011S	INDUSTRIAL PREPAREDNESS	6	-----	1,927	5,000	6,500 U
		DEFENSEWIDE MISSION SUPPORT	23,550	25,063	33,206	39,374	
			-----	-----	-----	-----	
		TOTAL DEFENSE LOGISTICS AGENCY	23,550	25,063	33,206	39,374	

UNCLASSIFIED

PAGE D-18

UNCLASSIFIED

UNIFORMED SERVICES UNIVERSITY HEALTH SCIENCES
FY 1986 R D T & E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0400 D RESEARCH DEVELOPMENT TEST & EVAL DEF AGENCIES

DATE: 04 FEB 1985

PROGRAM LINE ELEMENT NO NUMBER	ITEM NOMENCLATURE	ACT	FY 1984	FY 1985	FY 1986	THOUSANDS OF DOLLARS
2 61101W	IN-HOUSE LAB INDEPENDENT RESEARCH	1	1,767	1,801	1,981	-----
TOTAL	UNIFORMED SERVICES UNIVERSITY HEALTH SCIENCES		1,767	1,801	1,981	-----

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PAGE D-19

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